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THE COVER PHOTO

Vic Auer and Mike Allen, winner and runner-up in the recent Western Nationals smallbore tournament, demonstrate their prone positions. Auer is a former National Smallbore Champion. Both shooters are now in Europe with the International Prone Team. Photo by J. A. Bell, Santa Monica, California.

A DIFFERENT BENCHREST MATCH

A benchrest match conducted by the Wigwam Rifle Club at Thomaston, Conn. on May 5th was different in several respects from the conventional NBRSA sanctioned matches. It was a type of match that could be conducted by any club on their established range without any expensive additional range equipment, other than the shooting benches.

All the shooting was at 100 yards and it was all for score only on conventional NRA targets. All matches were of 10 record shots. Targets were hung on regular 100 yard smallbore rifle frames and the competitors changed their own targets, as is common in smallbore matches. There was no moving backer—there was no need for it.

Competitors using the heavy benchrest rifles fired on the NRA official 50 feet gallery rifle target, having a sighter bull and 10 record bulls and one shot was fired on each record bull. Competitors using the lighter Varmint type rifles fired on an NRA experimental light rifle target with larger scoring areas, having one sighting bull and 5 record bulls, two shots being fired on each record bull.

Good, solid shooting benches that could be moved onto and off the firing line were provided. Approximately 20 shooters fired some or all of the matches. About a half dozen of them were experienced, capable benchrest competitors shooting their specialized benchrest competition rifles, both heavy and varmint class types.

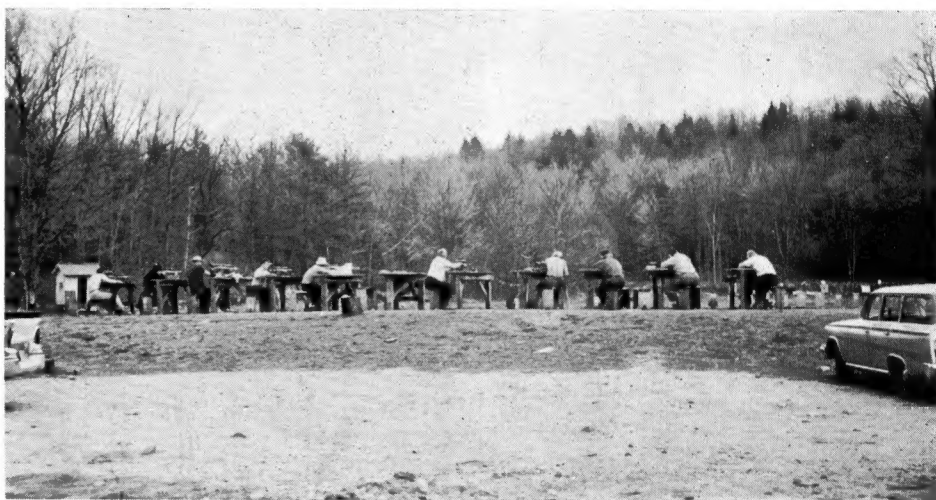
The experienced benchrest competitors with their heavy rifles did very well on the 50 feet gallery target with its tiny 0.15 inch 10-ring. Bob Stinehour made one score of 94 and four 93's for the winning aggregate of 466X500. (A "possible" score on this target would compare with a .375" group, but is harder to make.) Dan Hufnail had one target scoring a 96, but some lower scores and ended up some 8 points under Stinehour in the aggregate. Crawford Hollidge had one target score of 96 or 97 but had some gun trouble, as did his wife Mary, and made some low scores that didn't help his aggregate.

The last scores for the light rifle shooters were not posted on the bulletin board when we left the range but we believe that Dan Hufnail, shooting his 6 m/m NBRSA Sporter class rifle, won this aggregate with some high scores.

For this particular shoot the promotional angle for local area shooters might have been better if the "hot shots" had stayed



Club house at Wigwam Gun Club Range in Thomaston, Conn.



Mound firing line of Wigwam Gun Club with competitors firing in May bench rest shoot.

away, but all must have been convinced that experienced bench competitors with their accurate competition rifles can make high scores on a difficult target as well as make small groups on conventional benchrest targets.

The shooting was conducted in a somewhat informal, comfortable manner that was enjoyable. The one sour note from this particular match is that a month and a half after the shooting, at least some of the competitors have not received any official results bulletin, which registration fees should have entitled them to. But this is a fault of a match sponsor and not of the type of match conducted, or the sponsoring club's hospitality during the firing of the matches.

Phil Teachout

THE BEAR CUB 2X-7X VARIABLE

I have been using one of the Redfield Bear Cub 2X-7X Variable scopes for some three months past and have done a lot of shooting with it. The greater part of the shooting has been at paper targets at known ranges but I have done some field checking for seeability and plinking at indistinct objects. I haven't yet been able to find a bit of fault with it.

The 2X-7X is essentially the same as the older 3X-9X Variable. It has the non-changing crosshairs throughout the magnification power range, the constantly centered reticle, and no change in point of impact throughout the power change range.

The scope is smaller than the 3X-9X; 11¼ inch long (approximately the same as the standard Bear Cub 4X) against 12¾

inch for the 3X-9X. The top 7X magnification is quite adequate for shooting on standard targets and would be for any but extreme long range varmint shooting. For short range woods shooting the 2X magnification has the advantage of wider field of view and a bit better "brilliance" than 3X. The field of view at 100 yards is stated to be 44 feet for the 2X. I haven't done any measuring but at 100 yards one sees plenty of landscape to quickly pick up and get the sight onto rapidly moving game. What is a very great advantage in some cases is the ability to do accurate aiming at extremely short ranges. With some of the older, small tube scopes with limited field of view, I and many others have had the experience of "the scope filled with hair" on very close range shots. That is very confusing! With the wide field of view and sharpness of image at 2X magnification, I feel sure that one could pick his place to aim on a white-tail deer at 25 feet range with this Bear Cub scope.

The 2X-7X scope I am using has the medium crosshair reticle. The 3X-9X I have has the courser crosshair. Personally, I favor the medium crosshair. I find it easy to pick up for quick aim and quite adequate for aiming at indistinct objects against a dark or neutral color background. And for known-range target shooting it does permit a bit more precise aiming.

I think that for the person who uses one rifle for varmint, small game, large game and general target shooting, this Bear Cub 2X-7X Variable scope would be an excellent choice.

P. H. T.

LIVE AND LEARN

By William E. Peterson

Sometimes a little thing can fool even a veteran shooter, who ought to know better. For instance I have always felt that I was a fairly competent amateur gunsmith insofar as double-action revolver functioning is concerned. Anyway being addicted to manipulation, I have usually been able to insure that the double-action in my .38 and .45 S & W revolvers was slick and smooth—that perhaps misguided method of handgun just one long even pull all the way to the let-off. This is of major importance to a double-action shooter. You have to do quite a lot of smoothing and polishing and fussing over the action to obtain that result, and I got kind of expert at it.

But recently my .45 revolver began picking up bad habits. Gave me occasional misfires, and I had to add so much tension to the hammer spring to insure ignition that the double-action trigger pull went up to around twelve pounds. Well, you just can't group 'em close with a pull like that.

Of course I figured that it must be the primers, that I had run into a particularly hard lot. Tried several different makes of primer, and found that while there was some difference in their resistance to ignition, even the softest lot did not help much. All this time my .45 shooting got worse and worse with the heavy pull, and also because I did more worrying about whether the blasted thing would go off than where the bullet would hit. This doesn't help scores any.

Well, I tried everything I knew, and finally gave up. Bundled the whole business, gun, spare parts, ammo and all together, and brought it over to my friend Joe Rivers, widely known gunsmith and grip-maker of Rowayton, Connecticut. Threw up my hands and pleaded for help. Joe was up to his neck in work, but apparently he stopped everything and tackled my job. Being a double-action shooter himself, he probably got interested. Next day he called up, would I come over and get the gun. Which I did, straining the speed limits some.

"Look," said Rivers, "your cylinder hasn't always been registering." "I know it," I said, "but I figured that when that happened the explosion would give it that final nudge that would line it up." "Maybe," said Joe, "but since the cartridge was not exactly under the hammer, you've been hitting the primer a bit off center."

That was when a great light broke over me, as I considered the construction of the primer with its dome-shaped anvil. Of course, any nut could see that it had to be hit plumb center to set it off, or if hit to one side of center, it needed a heck of a wallop to get action. Even then it wasn't sure fire. Properly humbled, I asked Joe what he'd done about it.

"Corrected the timing," said Rivers. He had lengthened the hand—that cute little gadget that turns the cylinder—so each chamber got around and latched in line before the hammer slipped off the sear. "But that isn't all," said Joe, "you're sizing your cases too small, so they wobble around in the chamber. They are too loose by five or six thousandths. It's just luck when one of them is accurately centered under the firing pin. Throw away that case sizing die and get one that sizes right—about .471 for this gun." After which he remarked that the cylinder was sluggish in turning, and then put the gun through a quick but effective process the details of which I do not feel able to divulge, as for all I know it is a trade secret. The end result was that the cylinder would spin like a top at the flick of a finger.

Just shows how a little thing can befuddle even a pretty experienced shooter. Now my fired cases show a nice deep dent right in the center of the primer, and I get

STOP GUESSING AT HANDLOADS . . .

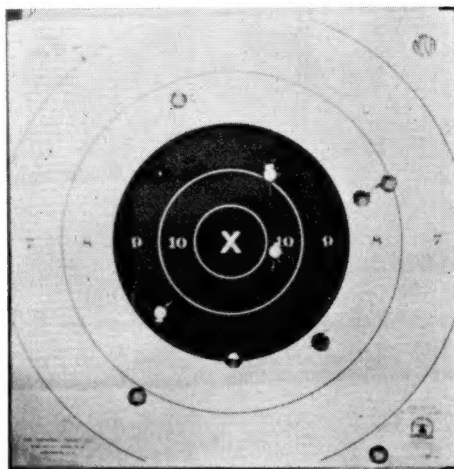
COMPUTE THEM
ACCURATELY
WITH THE

Powley Computer for Handloaders \$3.50
Pressure Charts \$10.00
(See March, 1963 GUNS AND AMMO)
Powley's High Velocity Trajectory Charts . . \$18.00
(This shows your bullet drop)

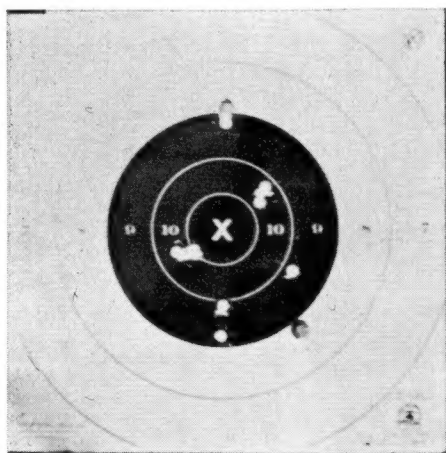
Or send fired case, bullet with seating depth filed, and \$10.00 to us for complete report.

HUTTON RIFLE RANCH . . .

1043 Greenleaf Canyon Road, Topanga, California Official Range of Guns and Ammo Magazine



Rapid fire double-action with a twelve-pound trigger pull can be pretty discouraging.



But when you work the pull down to a bit over eight pounds the result is not so bad.

positive ignition with the strain screw (which puts the tension on the hammer spring in S & W guns) backed off to a trigger pull of eight and a half pounds. I realize that most handgunners with their two-pound pulls can wonder how anyone can get accuracy with a pull three or four times heavier than theirs, but all I can say is that double-action is different, and if the pull doesn't go much beyond eight pounds you can do pretty well with it, not only on a big target like a combat silhouette, but also over the National Match Course. It's one of those things that even when you see it you don't believe it, in spite of the fabulous Ed. McGivern, and the book he wrote about double-action, and the records and targets he made. Probably you can always figure that a double-action shooter is some kind of a nut, flying in the face of tradition the way he does, but I always felt that the best way for a man to shoot is the way he does it best, even if nobody else does it that way.

COMING MATCHES

(We will list place, date, type and title of match, name of sponsoring organization, name and address of contact person, at a nominal flat rate of \$2.00 per insertion, prepaid with insertion order. Insertion orders must reach the Precision SHOOTING office, 64 Depot Street, Lyndonville, Vt., at least 45 days before date of match for single insertion orders. For multiple insertions, 30 days additional must be allowed for each additional insertion desired.)

North Attleboro, Mass.: July 12, 13, 14: Northeastern Regional Pistol Championship and NBPRP Service Pistol Match; Angle Tree Stone Rod & Gun Club, Inc., Mrs. Janet Rhind, RFD 2, Box 716, North Attleboro, Mass.

Thomaston, Conn.: July 28, Wigwam 100 Yard High Power Match, Wigwam Range, Conn. #109, Thomaston, Conn. For programs and information write or call the Secretary, Gerald Kinzly, Guernseytown Road, Watertown, Conn., or the Executive Officer, Judson S. Darrow, Woodbury, Conn.

Some things about shooting are pretty hard to believe, like that powder-loading device, Multi-Mezur, made by Ted Smith of Shooters Accessory Supply, North Bend, Oregon. With that little contraption you can powder-load 100 cases in less than a minute, as I know because I do it frequently. Further, you can shift from one load to another in ten seconds, believe it or not. Trouble with it is, the thing is just too darn clever and smart, and you don't see many of them around probably because most people can't figure how it can be that good. Well live and learn.



NORMA RIFLE POWDERS

With the NORMA line of rifle powders now available at NORMA dealers in the U. S., handloaders who want to try these powders should obtain the NORMA loading data and the "GUNBUG'S GUIDE," the NORMA handloading manual at cost of 25¢.

Presumably the loading data and the "Gunbug's Guide" is available at local NORMA dealers, and surely from the U. S. NORMA distributors, NORMA-PRECISION, South Lansing, New York.

Wise handloaders will obtain the recommended loading data for the particular powder they would use and ALL handloaders should obtain this information before starting to load with NORMA or any other new powder.

PRECISION SHOOTING will appreciate receiving results reports from handloaders who do try the NORMA line of rifle powders.

TOURNAMENT CIRCUIT

AUER AGAIN VICTOR AT WESTERN NATIONALS

By Betty Summerall Duncan

Two International Prone Team members, Victor L. Auer and L/Cpl. Michael H. Allen, USMCR, provided a colorful atmosphere and thrilling climax at the Western Nationals Smallbore Prone Tournament on May 4-5 as they battled it out to the last shot. Firing side by side throughout both days, these two old friends exchanged ammo, alternately consoled and congratulated each other. It was sportsmanship at its best.

Winner of the inaugural Western Nationals in 1957, Auer reclaimed the title by a single X margin over Allen—3194-246X to 3194-245X. The final match is generally prophetic but seldom to the extent as in this instance when they were tied going into the 50-yd. any. Vic emerged match winner with a possible and 36Xs and Mike's 35Xs placed second. Then and there was the Grand Aggregate pattern established. It proves conclusively that these two young veterans perform best when pressures are most stringent.

Old Sol was on strike and gentle breezes stirring at the Los Angeles Rifle and Revolver Club as 124 competitors bowed to Bill Atkinson's 400-34X in the Dewar metallic. Bob Boydston and Allen trailed with 31Xs. Only Allen and Auer cleaned the 100-yd., Mike with 29X and Vic, 28X. . . When Creed Page of Grand Junction, Colo., became a P. S. subscriber, I promised to put his name in print every time he won. I now take pleasure in announcing him as winner of the 50-meter iron with 400-28X over Auer's 400-26X. . . At 50-yds., Cliff Pierson Creedmoored Allen's 400-33X. . . Vic's usual complete concentration was penetrated as he laughed at one of Bob Perkins' jokes and dropped a point in the first stage. You've heard of jerking them, shouldering them, and pulsating them, but this is surely the first time that anyone ever laughed a shot out. With 34X's, it not only cost him the match, but the Metallic Agg. as well. (Perkins says he gets blamed for everything).

After the first match, the mild drifts had converted into challenging switches. The prevailing condition on this range is normally from 9 o'clock, as it was on May 4th, but the source of major difficulty was when that wind did not conform consistently to an anticipated drop in elevation.

Metallic Sight Aggregate

Mike Allen	1598-121X
(New reserve Nat'l Record)	
Vic Auer	1598-117X
Cliff Pierson	1596-118X
Bob Boydston	1596-114X
Bob Perkins	1596-105X
Bill Atkinson	1595-113X
Ronald Hoover (1st Ex)	1590- 96X
Cliff Honza (1st SS-Mk)	1585-104X

A National Reserve Record was established by Allen and Auer, who teamed up to win the 50-meter any sight 2-man match with 798-58X in rough conditions. Archie Bell and Creed Page scored 793-58X to place second over Bill Atkinson and Tom Guerin's 793-46X.

As the Master class took over the first relay with scope, Boydston's 400-34X took the Dewar any way from Atkinson and Auer's 33X. . . Tom Guerin, who had remained too long in the background, was the only one able to clean the 100-yd., X-count 30. Bill Grater, after placing 2nd at the Prone Team Tryouts and shooting the Southwestern afterward was experiencing a let-down and wasn't trying very hard. He won his only medal of the tournament with 399-30X. . . I told Bob Boydston a long

(Continued on Page Six)



INDIVIDUAL MATCH WINNERS AT WESTERN NATIONALS. (Left to right) Mike Allen, runner-up in Grand Agg., winner of Metallic Agg. and 100-yd. metallic; Bill Atkinson, Dewar metallic; Bob Boydston, Dewar any; Tom Guerin, winner Any Sight Agg. and 100-yd. any; Cliff Pierson, 50-yd. metallic and 50-meter any; Creed Page, 50-meter metallic and runner-up in Any Sight Agg. Western Nationals Champ Vic Auer, winner of 50-yd. any, not shown. Photo by J. A. Bell



The chronograph range at Camp Perry, 1962, as set up for pistol firing. Lumiline screens are 25 feet apart with the pistol muzzle 15 feet from first screen. U. S. Army photo

CHRONOGRAPH DATA ON IMPROVED MAGNUM CARTRIDGES

By Lt. Col. David B. Parsons

The 1962 National Matches were favored by the operation of a velocity chronograph which was made available to all competitors at no charge for the purpose of analyzing handloaded ammunition. This chronograph was furnished by the Ammunition Procurement and Supply Agency and operated by ballisticians employed at Lake City Arsenal, the producers of both the 1962 and 1963 Cal. .30 National Match ammunition.

A total of 672 competitors utilized this service for the testing of both pistol and rifle loads. Even Civil War muskets were chronographed during the North-South skirmish! Each competitor was permitted to fire five rounds of each load, with no limitation on the number of different loads he wishes to test.

The vast majority of loads chronographed were for the .30/06 cartridge and the .38 Special and .45 pistol cartridge. These widely used loadings are quite common knowledge to the shooting fraternity and it is felt that little would be gained by presenting them. However, it is felt that the results of firing with the various "improved" class of magnum cartridges prove of more interest, and it is these results which are presented here. The "efficiency" (i. e. the amount of propellant used for the velocity obtained) between certain of the designs of improved cases may help shooters select the chambering for their next long range rifle or indicate the expected velocities from their current rifles.

The most widely used case was that of the .30-.338, based on a necked-down .338 Winchester case. It proved to be as efficient a design as any used at Camp Perry in the Magnum category. This cartridge also took top honors in the Wimbledon Match of 1962. Although not shown in the following tabulation, this case was notable for the tight velocity variation between rounds, some loads running as tight as 14 foot-seconds.

.30-.338 — 4350 PROPELLANT

Avg Velocity Spread: 27.91 ft/sec.

WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
63	Win	180 Rem	Rem 9 1/2	2755	28-10
63	Norma	180 Rem	Rem 9 1/2	2801	28-10
65	Win	200 Sierra	Feb. 215	2863	26-10
65	Win	200 Sierra	Rem 9 1/2	2867	28-10
66	Win	190 Sierra	Win 120	2979	26
66.5	Win	190 Sierra	Win 120	2962	---
66.5	Win	200 Sierra	Rem 9 1/2	2901	26-10
66.5	Win	200 Sierra	Rem 9 1/2	2884	26-10
66.5	Win	200 Sierra	Rem 9 1/2	2906	26-10
67	Western	200 Sierra	West 8 1/2	2957	28-10
67	Western	200 Sierra	Western	2906	26
67	Win	200 Sierra	West 8 1/2	2885	28-10
67	West	200 Sierra	West 8 1/2	3001	28-10
67	Win	200 Sierra	Mag. CCI.	2992	28
67	West	200 Sierra	West 8 1/2	2890	28-10
68	West	190 Sierra	CCI	3052	28-10
68	---	200 Sierra	CCI	3024	28
68	Win	200 Sierra	Rem 9 1/2	3022	28-12
68	Super	200 Sierra	Win 120	3042	28-11
69	Super-X	200 Sierra	Win 120	2998	27 1/2-12
69	Win	200 Sierra	---	2982	26-10
70	West 338	200 Sierra	Fed 214	3039	28-10

.30-.338 — 4831 PROPELLANT

Avg Velocity Spread: 43.88 ft/sec.

WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
68 1/8	Win	200 Rem	German	2882	29
69	Win	190 Sierra	Win	2782	26-12
69	Win	190 Sierra	Win	2717	26-12
69	Win	200 Sierra	Win	2708	26-12
69	Win	200 Sierra	Win	2724	26-12
69	Win	200 Sierra	Win	2685	26-12
70	West	180 Sierra	Fed 210	2659	---
70	Win	200 Sierra	CCI	3031	---
70	Win	200 Sierra	CCI-250	2957	27 1/2-10
71	Win	190 Sierra	Fed. Mag.	3071	28-10
71	West	200 Sierra	Win 120	2892	28-10
71	Win	200 Sierra	Fed. Mag.	3026	28-10
72	West	190 Sierra	CCI	3176	30-10
72.5	Win	190 Sierra	Win	3009	28
74	West	200 Sierra	Rem 9 1/2	2963	28-14
74	Win	200 Sierra	Rem	3195	27 1/2
74	Win	200 Sierra	CCI-200	2946	27-14
74.5	Win	190 Sierra	CCI-Mag	3136	---
75	Win	190 Sierra	Rem 9 1/2	3045	28-14
75	Win	190 Sierra	Rem 9 1/2	3031	28-14
75	Win	190 Sierra	Rem 9 1/2	3080	28-14
75	Win	190 Sierra	Rem 9 1/2	3075	28-14
76	Win	190 Sierra	Rem 9 1/2	3169	28-14
76	West	190 Sierra	Rem 9 1/2	3172	28-14
76	Win	190 Sierra	Rem 9 1/2	3202	28-14

A close follower of the .30-.338 case was the .308 Norma Magnum. Actually, this case closely approximated the .30-.338 efficiency and there appears to be little to choose from between these two calibers.

.308 Norma—4350 PROPELLANT

Avg Velocity Spread: 33 ft/sec.

WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
66	Win	190 Sierra	Win 120	2879	25-10
68	Norma	200 Sierra	Fed 215	2844	24-10
68	Norma	200 Sierra	Fed 215	2982	26-10
68.5	Norma	200 Sierra	RWS	2964	26-10
69	Norma	168 HP Sierra	Rem 9 1/2	3089	27

.308 Norma — 4831 PROPELLANT

Avg Velocity Spread: 46.5 ft/sec.

WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
67.5	Norma	200 Sierra	CCI-Mag	2753	26-10
68	Norma	168 Sierra	Western	2656	24-10
69	Norma	200 Sierra	CCI-Mag	2856	26-10
70	Norma	200 Sierra	West 8 1/2	2961	28-12
70.5	Norma	190 Sierra	West 8 1/2	2926	26
71	Norma	190 Sierra	Win 120	3056	30-10
71	Norma	200 Sierra	CCI-Mag	2927	26-10
72	Norma	200 Sierra	CCI-Mag	2985	26-10
72.5	Norma	190 Sierra	CCI	2969	28
73	Norma	190 Sierra	Win 120	3099	28-12
73.5	Win	200 Sierra	Win 200	2965	24-10
74.5	Win	187 FGBl	CCI-Mag	3169	28-10

"A NATION OF MARKSMEN?"

by
W. John Farquharson,
45 Edmonton Street,

Winnipeg 1, Manitoba. CANADA.

What has happened to MARKSMANSHIP? Why do sportsmen persist in buying rifles they can't shoot, won't practice with, and take no pride in? Why does the National Matches go unreported, and, in a nation of 175 million, only half a million citizens back the only organization defending their right to own and shoot guns worth hundreds of millions of dollars?

There is no quick and easy answer to this question. First, let's start with fundamentals.

There can be no argument with marksmanship. Far too much blood has been spilt—too many Americans have paid the supreme sacrifice to "buy time," time to train and arm soldiers to strike back at our enemies. Of the millions of enlistees who joined up after Pearl Harbor, how many could actually shoot well enough to go into immediate action against the Japanese? About 5 in a hundred. When shown an army rifle and targets, 95% proved that they were non-effective! This happened in both Canadian and American armies.

We could, and still can, learn from Switzerland. There, they insist that citizenship includes rifle marksmanship, when someone else calls the shot. Contrast the Swiss state of preparedness with our own performance in World War 2. It took us over two years to field effective striking forces, during which time the Axis did everything but swipe the gold in our back teeth. They outfought, outmaneuvered, bombed, machine-gunned, shot us up, raised hell, and struck when and where they pleased.

The Swiss twice had a "RED" alert, one step short of shooting war. Within 74 hours, they had 1 1/2 million trained soldiers in position in the Redoubt, each man with rations and ammo, rifle loaded and cocked, awaiting fire orders.

Quite a contrast:—though the countries are different, the Principles are the same. Always be ready.

Marksmanship is the acquired skill with the rifle necessary to hit the mark or target. To be a marksman is a citizen's first duty. Should his country need him, he—like a "Chesty" Puller-trained Marine—is ready to go.

Owning shooting rifles can give a lifetime of pleasure. The best place to learn marksmanship is on the rifle range under strict supervision.

Culling down an oversized herd, thinning out a prairie dog town, nailing that big rocking chair buck exploding from brushy cover: that is marksmanship brought into use. Let's not confuse learning with using rifles.

If a person can't perform well when the target is clearly defined, at a known distance, and can wait all day; how the devil can he hope to hit neutral covered game, often screened behind cover that deflects his shot, at an unknown distance, and the hunter is under considerable emotional pressure as he takes the shot? No one has any right to wound game. If he cannot be certain of delivering a killing shot, he doesn't shoot:—period.

With modern, well designed rifles, powerful cartridges, crystal-clear scope sights, and more leisure time to practice in than ever before, it is inexcusable not to be able to kill any North American game animal with one well placed shot. This is our Excelcior—our mark to aim at.

Now that the fundamentals are clearly spaced out so that we can look at them, let's take that first question again—what has happened to basic marksmanship?

As I see it, the answer is bound up in 3 parts:

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(Continued on Page Seventeen)

Surprising to many, but not to those of us who have used the case in previous competition, was the splendid showing of the .30 Newton cartridge. It is my understanding that this cartridge was designed prior to World War One. Maybe the American shooter has been missing a bet by not having given more attention to this fine design. It is certainly a more efficient design than the standard .300 H&H that gained popularity when Ben Comfort won the Wimbledon with the old .300 back in 1935. One wonders what would have happened to long range shooting if Mr. Comfort had used the .30 Newton instead! As it was, only three competitors showed at Perry with Newtons in 1962.

.30 NEWTON (ORIG) & (BELTED)

Avg Velocity Spread (a. 4350-45.3 ft/sec.
(b. 4831-45.0 ft/sec.

PROPELLANT	WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
4350 (O)	47	Super-X	180 Sierra	CCI	2863	26-
4350 (O)	68	Speer	180 Sierra	Fed 215	3028	27-12
4350 (B)	68	Win	190 Sierra	CCI	3031	28-
4831 (O)	72	Speer	200 West	CCI	3014	27-12
4831 (B)	73	Rem	200 West	Fed 215	3025	28-10

A cartridge case that has certainly done well on game and has been well publicized for its velocity capabilities is the .300 Weatherby. However, it is apparent that this case is somewhat over-capacity in that it requires considerably more propellant to attain these velocities than the above designs. The question arises as to comparable bore life between this round and other designs. More propellant means more heat and more heat can mean a barrel throat that is washed-out more quickly. However, the case did give good velocity spreads.

.300 WEATHERBY

Avg Velocity Spread (a. 4350-31.3 ft/sec.
(b. 4831-39.0 ft/sec.

PROPELLANT	WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
4350	74	Weatherby	180 Sierra	215 Fed	3006	28-10
4350	75	Rem	180 Sierra	CCI-250	3136	29-12
4350	76	Norma	200 Sierra	CCI-250	2952	28-12
4350	78.5	Western	190 Sierra	CCI-MAG	3154	28-
4831	74	Win	200 Sierra	Win 120	2842	26-
4831	77	Weatherby	200 Sierra	CCI-250	2875	25 1/4-12
4831	78	Rem	200 Sierra	Fed 215	3014	26-12
4831	79	Win S. S.	180 Sierra	Win-120	3053	26-
4831	79	Weatherby	200 Sierra	Rem 9 1/2	3041	30-
H870	82	300 Wby	180 Norma	9 1/2 Rem	3188	26-9
H570	92.5	Wby	200 Sierra	CCI-250	2917	25 1/4-12
H570		Wby	200 Sierra	4215 (?)	2914	25 1/4-12

The .300 Ackley Improved Magnum was used by six competitors. It appears that the comments pertaining to the .300 Weatherby would apply to this cartridge.

.300 H&H-ACKLEY IMPROVED

Avg Velocity Spread 4831-44.6 ft/sec.

PROPELLANT	WT	CASE	BULLET	PRIMER	AVG VELOC	BARREL
4831	78	Rem	180 Sierra	Rem 9 1/2	3117	25 3/4-10
4831	79	Super-X	187 Norma	120 Win	3049	28-10
4831	79	Super-X	190 Sierra	CCI	3017	26-14
4831	79	Super-X	200 Sierra	CCI	3010	26-14
4831	80	Win S. S.	190 Sierra	CCI	3064	28-12
4831	80	Win S. S.	190 Sierra	CCI	3133	28-12
4831	80	Win S. S.	200 Sierra	CCI	3070	28-12
H570	90	Super-X	190 Sierra	CCI	2885	26-

The following cases are those that showed up in small numbers at the velocity range. The following data is listed for the interest of those who own or may own an example.

MISCELLANEOUS IMPROVED MAGNUMS

PROPELLANT	WT	CART.	BULLET	PRIMER	AVG VELOC	BARREL
4350	72	.300 Kodiak	200 Sierra	West 8 1/2	3079	31 1/2-11
4350	72	.300 Kodiak	200 Sierra	West 8 1/2	2877	26-10
4831	74	.300 Kodiak	200 Sierra	Win	3053	28-10
4831	70	.300 Pfeiffer	200 Sierra	CCI	2882	28-
4831	72	.300 Pfeiffer	190 Sierra	CCI	2887	28-12
4350	66	300 H&H Im.	200 Mk	Rem 9 1/2	2879	28-10
4350	73	300 A.I.M.	190 Sierra	Win-120	2940	28-10
4831	62.5	30 Gibbs	200 Sierra	CCI-MAG	2718	- - -
4831	62.5	Anderson Super 30	200 Sierra	Rem 9 1/2	2570	24 1/2-
4831	78	RCBS 300 Mag	180 Sierra	CCI	3202	31 1/2-11
4831	72	300 K.B. Mag	200 Sierra	120 Win	2991	26 1/2-10

I have not attempted to discover anything statistically significant in the above information other than to present the velocities obtained with the various loads. Even a determination of efficiency between primers has been shown to be of less than significant value. Nor do variations in the twist of rifling indicate any gross differences in attained velocity. But I do feel that this information should prove of value to a shooter who wishes to select a cartridge that will give desired velocities and long bore life expectancy. Accuracy-wise, I imagine that any of these cartridge designs will perform well for the shooter.

It is expected that the velocity range service will again be available to the competitors during the 1963 National Matches. Load up a few extra rounds of that pet load and let's see how they do!

TOURNAMENT CIRCUIT

(Continued from Page Four)

time ago to go ahead and cuss if he felt like it and to forget that I was shooting nearby. He had good reason for sound effects in the first stage of the 50-meter. Leading in the Grand at that point, he had beautiful groups and was really working at it, when—he jerked an 8! Disgusted with himself, he lost a 9 by the same procedure in the next stage. The match went to Pierson's 400-30X, with Guerin second—400-28X. . . Crying towels could have been sold profitably toward the end of the day. Guerin lost his 1600 at 50-yds. (It was his 5th 1599). That old demon, pressure, reared its ugly head. What happened to Cliff Pierson, Gail Cauley, and Bob Perkins, only they know, but going down 2 points at 50-yds. didn't help their aggregates any. . . Conditions hadn't been exactly perfect, however, as the emergence of the sun and the accompanying mirage added to the wind problem.

Any Sight Aggregate

Tom Guerin	1599-121X
Creed Page	1598-107X
Dick Burkhart	1597-109X
Auer	1596-129X
Allen	1596-124X
Gail Cauley	1596-119X
Russ Van Devender (Ex)	1595-102X
Monrovia, Calif.	
Cliff Honza (1st SS-Mk)	1596-103X

This was a tournament for experimentation, or so it seemed. Vic tested five different lots of ammo (Mark III and EZXS), Pierson shot Frank Dutra's new Anschütz in one match (found that it shot well but was a little slow for a left-hander), and Mike depleted his supply of ammo and used a lot of Vic's in the final stage.

For the equipment picture, Vic fired his old 52C (described last month), Bell front and Redfield Int'l rear, Lyman 20X scope. . . Mike's rifle is a Douglas-52C with Karl Kenyon trigger, Bell front and Int'l rear sights, Unertl 20X scope with Lee dot, and he fired lot 68A Mark III. . . Guerin is loyal to his BSA Mark III Int'l, with Bell front and Parker Hale rear sights, Lyman 20X scope, and Remington ammo. . . Boydston also is a BSA enthusiast, his equipped with Mark II trigger and Mark I action on an Atkinson-Marquart barrel. He prefers the Freeland tube with Bell front sight, and has switched from 25X to Lyman 20X scope. Ammo, Remington. . . W. T. "Bill" Atkinson was shooting his own Atkinson-Marquart barrel (what else?), 52B action, Kenyon trigger, Bell front sight, Olympic rear, Unertl 20X scope, EZXS lot 32A. . . Pierson made his entire outfit—barrel, action, trigger, stock, metallic sights. He fired EZXS. . . Creed Page's BSA is the Mark II Int'l. He uses the Redfield X-tube with Int'l rear and Freeland front, Unertl 12X scope, EZXS lot 88.

Grand Aggregate—Top Twelve

Vic Auer	3194-246X
Mike Allen	3194-245X
Tom Guerin	3193-224X
Cliff Pierson	3192-231X
Bob Boydston	3192-219X
Bill Atkinson	3190-223X
Creed Page	3190-206X
Gail Cauley (Hi Lady)	3189-232X
Bob Perkins	3189-222X
Dick Burkhart	3185-217X
A. R. Willbrandt	3185-201X
Floyd Day	3185-198X

Gail Cauley, shooting a Hart-52D, was so far ahead of the ten other feminine contenders that it could hardly be considered a contest. (I would prefer to avoid mention of my second-place 3174 in that category) . . . James Henderson, Jr., Santa Ana, Calif., took High Junior honors with an excellent 3184-195X over the 3170-173X fired by Jerry Lomeli, second SS-Mk. . . Two rapidly rising shooters dominated the Expert class—Russ Van Devender, 3180-186X, and



Western Nationals Ladies' Champ—Gail Cauley.

Louis Rogers, 3174-190X. . . Cliff Honza, with an exceptional 3181-207X SS-MK score, shot his way up into a higher classification. . . Ray Tannahill won the Unclassified trophy for his 3160-180X.

It was a pleasure to have Steve Johnson, former Canadian National Champion, on hand.

IOWA PISTOL TOURNAMENT

Fifty competitors disregarded the forecast of heavy thunder storms to compete in the 1st Annual Spring Pistol Tournament put on by the Linn County Rifle & Pistol Club of Cedar Rapids, Iowa. Even though it didn't rain the sometimes gusty wind held scores down for most competitors.

An exception was Wm. (Blackie) Strout of Davenport, Iowa, a member of the Iowa highway patrol. He shot a new range record 1728 out of 1800, raising the record 25 points. In compiling his record score he won the .22 Cal. aggregate with 584 out of 600, the C. F. Agg. 577 and .45 Cal. Agg. 567.

Although patrolman Strout had just about everything his own way throughout the tournament, he was not able to win an award in a novelty event. The sponsor offered a special brassard to anyone who shot a 10 shot possible on any target during the tournament. Last fall 9 possibles were fired. At this match the only possible, a 100-7X, was shot by Strout's partner highway patrolman Richard Ward with the .45, timed fire.

Winning Aggregates

Wm. Strout, Davenport, Iowa	1728-51
Jim Hayes, Ames, Iowa	1686-41
Richard Ward, Tipton, Iowa	1682-62
Hi-Ex Jack Barnard, Moline, Ill.	1666-44
Hi-SS Bob Lane, Cedar Rapids	1548-26
Hi-Mk George Pitts, Cedar Rapids	1568-25

Paul Kosek

MANITOBA SPRING RIFLE SHOOT

By W. John Farquharson

Sunday, May 26, 1963, was cold, wet and blustery, miserable shooting weather. Despite the handicaps, and due to the fine pre-shoot publicity, 50 shooters from Moose Jaw, Virden and Winnipeg were on hand for the Spring Rifle Shoot sponsored jointly by the Manitoba Provincial Rifle Association and the Winnipeg Game & Fish Association.

The Spring Rifle Shoot started at 8:30 A. M. on the St. Charles Military Rifle Range and was open to all sporting and game rifles. Any center-fire rifle firing any ammunition and fitted with any type of



WINNERS AT CEDAR RAPIDS, IOWA, PISTOL TOURNAMENT. (left to right) George Pitts, Cedar Rapids, high marksman; Bob Lane, Cedar Rapids, high sharpshooter, William Strout, Davenport, winner; Marlys Reynolds, Waterloo, high lady; Gerald Wilpue, Quincy, Illinois, high unclassified. Jack Barnard, not in picture, Moline, Illinois was high expert.

sight was allowed. The object of the Spring Rifle Shoot is to encourage off-season rifle practice on the available target ranges and to assist snipers and hunters to carry on intelligent practice through the summer months. Sunday's event was the second of its kind and officials of the MPRA and the Winnipeg Game and Fish say it will be held again next May.

Arnold Park used his special .308 Mauser action match rifle to "clean house," winning 6 out of 8 events, including the Winnipeg Game & Fish Grand Aggregate award.

Park's winning load was 40.2 grains #4895 behind the 168 Gr. Sierra International boat-tail, sparked by Alcan primers. His Mauser has a Douglas barrel and a well bedded Monte Carlo stock. The rifle can be fitted with both iron and scope sights; in this case Arnold used his 15X Lyman SuperTargetspot. With scope, his rifle weighs 12 pounds and is a Canadianized version of a Wimbledon-Leech Cup Match rifle.

Arnold Park qualified for a place on this year's Canadian Bisley Rifle Team through his excellent shooting at last year's National Matches at Ottawa. As he will be attending the Commonwealth Matches at Bisley, England as a Team member, this means that Park is one of the 20 finest shots in Canada.

Ed Dunlop, former Secretary of the Manitoba Provincial Rifle Ass'n, was the only shooter to break up Park's endless succession of match wins. Dunlop captured the 500 yard Jennings Shooting Supply, 2 sighters and 10 on score inside a 15 inch "Bisley" bullseye, and finished fourth in the grand aggregate.

Park won the following matches and events in a very busy day: (a) Walcher Construction Co. match at 100 yards, (b) Eaton's of Canada Trophy match at 200 yards, (c) White Hardware Trophy for short range agg., (d) Hudson's Bay Company at 600 yards, (e) Gevelot of Canada award for long range agg. plus the grand aggregate.

In the 300 yard tussle for the Sydney I. Robinson award, Arnold Park defeated Jack Sinclair and Ed Dunlop in a three-way shootoff, to carry off the important Grand Aggregate award, edging Tony Neird and Al Todd, who finished second and third respectively.

During range tests, Arnold Park found out that his match rifle was shooting 10

shots into near minute of angle with the 168 gr. Sierra. The targets used were 25 and 50 yard slow fire pistol ones, used at 100 and 200 yards respectively. The 10 ring at 100 yards was only 1.7 inches and at 200 ryads it was only 3.4 inches in diameter.

Random Shots

By Betty Summerall Duncan

The red carpet was unfurled with a flourish for U. S. teams during the recent Pan-American Games in Sao Paulo. From the moment they marched into the stadium for opening day ceremonies and received a standing ovation from 70,000 people—the only country other than Brazil to be accorded this tribute—the Brazilians opened their hearts to our athletes. A spontaneous gesture of tossing their hats into the stands, as they filed out of the stadium, further endeared our teams to the Brazilian people. (This was also done in Cairo). Contradictory to the articles slanted at U. S. unpopularity in South America, it would seem to prove that more genuine good-will is fostered through our shooters (and participants in other sports) than could ever be achieved at the conference table. Cuba's attempt to bid for popularity by waving small Brazilian flags went over with a dull thud.

Latin moods are best expressed in rhythmical form. Everywhere our shooters went, including restaurants, they were cheered by the following chant in Cha Cha Cha rhythm, being carried out by clapping: "Estados Unidos—clap clap clap," with repeat, repeat, repeat, on and on. . . The local press made a big thing of the Pan-Am Games and they were widely featured on TV. . . The competitors' Pan-Am I. D. cards gave them free transportation on all buses. Coca-Cola of Brazil provided competitors with a limitless supply of cokes, and other companies, such as tea and coffee, followed suit.

Taking a brief backward glance at events preceding our shooting teams' sweep of the Pan-Am Games, they convened at Lackland AFB the first week in April. With so many details claiming their attention, there was little time for practice but what practice they did showed that they were in fine form for what was to come. On April 15th they flew by Air Force plane to Miami and stayed at the beautiful Car-

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RANDOM SHOTS

(Continued from Page Seven)

illon Hotel on the beach. There they were fitted for uniforms and received final paper work and processing by the Olympic Committee. Entertainment was planned for them and the mayor presented each team member with a key to the City of Miami Beach. They took off on the evening of April 17th and nine hours later, including a stop at Port of Spain, they landed at Sao Paulo. It was a 60-mile bus trip over poor roads from the airport into the city, but what a city—over 4 million people.

Arriving at Olympic Village, they found everything in a state of construction. The group of five 6-story buildings had gone up in less than 8 weeks. When the Canadians arrived five days early, only the cement frames of the buildings had been completed and they slept in rooms of the open-air variety at first. On the day of our shooters' arrival, only the pits had been poured and the range lined out on the ground. Some doubt existed about whether or not the shooting events could even be held. But then, action became swift and sure! An engineer was called in from Rio, and by terrific effort the buildings and range were completed in record time and the firing was only delayed one day. The first match commenced an hour late in order for the construction of target frames to be completed. After that, the whole operation was conducted smoothly.

U. S. and Puerto Rican athletes were quartered in the same building. Shooters, with all of their equipment, were billeted on the fourth floor and took some ribbing over the fact that U. S. swimmers (with, obviously, no equipment) had the first floor.

Competitors ate at the Village mess where the food was excellent—chicken, rice, and steak at every meal except breakfast—although there are conflicting opinions on the quality of its preparation. It was suggested that there might have been a bit more variety in the menu, and some means of dispersing the flies would have been welcome.

U. S. shooting teams were awarded their gold medals in the same large stadium where they received such a resounding welcome. As one shooter remarked, "It does make one feel tall!" They had a team spirit that couldn't be beaten. Victorious, they departed April 30th for the States. The Air Force plane was waiting in Miami to take them to Lackland for the victory celebration hosted by Col. Van Duesen.

THE SHOOTERS SPEAK—: We all deplore injustice. It has no place in the shooting game—a sport built around honesty, integrity, and good sportsmanship. In order to expose injustice, it is always necessary to tread upon certain toes. This is regrettable, but unavoidable.

At the request of the shooters of New Jersey, it is high time that the true **National Civilian Smallbore Position Champion** is recognized—**Dr. William G. McAuliffe** of Milford, N. J. His official score as posted on the bulletin board at the 1962 National Matches was 1546-61X. The official score of the recognized National Civilian Position Champion was 1537-66X, 9 points under McAuliffe's total. It is a terrific accomplishment for an Unclassified competitor to outshoot allcomers in the civilian category and, in my book, since he has won the National Civilian Position Championship, it is rightfully his! It is as simple as that.

Don't think for a moment that the Jersey shooters and I are talking through our respective sombreros. For authentication, we would be happy if you would check the last column on page 10 of the October 1962 issue of **NRA Tournament News** or the official Nat'l Matches bulletin.

The mixup occurred, not in the evaluation of scores but rather in the order of ranking on the bulletin board. McAuliffe, knowing that he was high Civilian, either



WORLD RECORD 300-METER FREE RIFLE TEAM, 1963 Pan-Am Games, Sao Paulo, Brazil. (left to right) Capt. John T. Bertva, USAF; Capt. Verle F. Wright, Jr., USA; M/Sgt. Edward E. Caygle, Jr., USAF, Coach; Sgt. Martin Gunnarson, USA; Sgt. Gary L. Anderson, USAR. M/Sgt. William E. Krilling, USA, (not shown) served as assistant coach. Scoring 4557 points, this team shattered by 24 points the former 4533 Record held by USSR.

left before the scores were posted or naturally assumed that the mistake (listing him second and a competitor with a lower score, first) would be automatically corrected in the statistical office. Although another error was corrected after the issuance of the first official bulletin, this particular error remained. A Georgia State Trooper, who was declared Nat'l Police Pistol Champion, was instructed to return his loot after he returned home, due to a statistical error. . . McAuliffe wrote to the NRA, a copy of which letter has been posted at all Jersey tournaments and has become a "collector's item." The Exec. Officer of one of the N. J. clubs also wrote to Headquarters, but was informed that McAuliffe should have protested the ranking. Now, if I were in Bill McAuliffe's shoes, I would file a formal protest with the NRA Protest Committee, even at this late date but before the Camp Perry program listing the various champions is issued. That body of gentlemen would unquestionably act with every degree of fairness. The matter should be directed to their judgment.

HERE AND THERE—May 5th — From Peoria, Ill., we have news of the 14th annual Illinois Valley Rifle and Pistol Club smallbore tournament. Some famous names were included among the 26 Masters. Fifty competitors braved gusty winds, which blew from 11:00 to 1:00 o'clock all day, and changing light conditions, varying from cloudy to sunshine.

"Uncle" Al Freeland was a sleeper all the way and just shot a little better all the time. (He won't object to the title; he's had too much fun attempting to imitate my southern accent.) His winning aggregate was 1588-85X. J. E. Naas placed second with 1583-89X, and Robert Wempe was third with 1583-79X. Bill Hankins, Cedar Rapids, Iowa, scored the high X-count (96), but was a little shy on points (1581).

At 50-meters metallic, the top three places went for 396, Wempe leading with 28X, followed by William Campbell's 24X and Naas' 21X. The place winners at 50-yds. iron all scored 27X, Wempe taking it with a possible, H. R. Tevis and Kyle Snowhill each dropping a point. In the Dewar any, it was Hankins, 398-25X, Gene Stamm, 398-23X, and the Sharpshooters got into the act as McNames placed 3rd with 398-20X. Freeland's doping talents stood him

in good stead in the roughest match as he took the 100-yd. any with 399-23X. Sharpshooter J. Leu followed—395-20X over C. Stafford—395-18X. . . Aggregate: Expert—T. P. Tonn, 1571-62X; SS—McNames, 1583-70X; Mk—D. Nelsen, 1539-63X.

Frank Boyd and Carleton DeHart fought it out at Pennsylvania's first outdoor smallbore shoot of the season at **Allentown**, as they finished with a pair of 1595's. Boyd was heavy on the Xs and his 118 defeated DeHart's 111. Thirty competitors enjoyed good weather with enough light breeze to keep them on their toes.

It was Boyd and DeHart at 50-yds. metallic with 400-33X and 400-29X, respectively. DeHart, from Hagerstown, Md., won over Int'l Prone Team member Roy Oster, 400-30X to 399-30X in the Dewar metallic. Richard Morgan (from Pa., not Ruth and Freeman's son) claimed the 50-meter any with 398-31X to H. Rochman's 398-25X. C. H. "Bob" Kline, who holds the National Record at 100-meters any, out-X'd DeHart 399-31X to 399-29X in that match. . . Class winners: Expert—M. Tyska, 1589-90X; SS—G. Fuchs, 1570-63X; Mk—D. DeLorenzo, 1571-62X; Uncl.—J. Sokewa, 1563-69X.

May 11th—Tha stalwart position shooter, **Chris Petersen** of Albany, Calif., had little difficulty in capturing the **Central Pacific Smallbore Position Regional** at Ft. Ord, Calif. with a 1560-63X win over Kenneth Cummins, who tallied 1550-57X.

Junior star Gary Olson swept the field in the Prone and Sitting metallic events, 200-18X and 199-12X, which served notice to his elders that they would have to bear down. These might well be Nat'l Reserve Records. . . Petersen got in with a 195-6X Kneeling score and Cummins' 185-3X took the Offhand. . . CONAC shooter Gerald Maloney started off the any sight cycle with a 200-15X Prone win. Lt. William E. Bristol took the Sitting with a possible and 10. Petersen latched onto the Kneeling and Standing with 199-11X and 187-1X scores. . . All four aggregates went to Petersen, including the Int'l Agg. comprised of scores from the Prone, Kneeling, and Offhand metallic. His winning scores—: Metallic Agg.—777-32X; Int'l Agg.—578-24X; Any Sight Agg.—783-31X.

In the Grand Agg., Olson was High

Collegiate—1525-66X; Bob Randle, Torrance, Calif., High Junior—1487-48X; Barbara Baxter, Oakland, Calif., High Lady—1432-24X.

The Albany Rifle Club team of Petersen, Gordon Taras, Donald Velasco, and Fred Forster took the Metallic Sight 4-position team match with a 1525-50X score. Olson, Tom Shanks, Bob Randle, and Bill Rogers, representing The Mavericks, won the any sight team match—1512-32X. Their 1519-52X was also good for second place in the iron sight match.

This outdoor tournament drew 80 competitors.

May 11-12—It is said that Missourians have to be shown, and that is exactly what The Champ did as he picked up another championship at the **Missouri State Matches** held at Jefferson City. It was undoubtedly Pres Kendall's kind of wind—erratic and strong, from 1:00 to 4:00 o'clock, both days—as he walked away with 4 aggregates and 7 of the 8 individual matches. . . . If Bill Hankins were not the good sportsman that he is, he might have wished that Pres had had the duty back at Ft. Leonard Wood that week-end, for Bill placed second in the three prone aggregates.

To say that conditions were challenging would be a decided understatement. Any time Pres drops 16 points with iron sights, it isn't easy, brother. He took that agg. with 1584-100X; Hankins, 1579-72X; Art Strebe, Sr., St. Louis, 1575-76X; Richard Dorian, Kansas City, 1563-78X; R. W. Sprowles, Cedar Rapids, Iowa, 1558-73X.

We note some improvement in conditions during the scope matches as Kendall had a more respectable 1596-129X score. Trailing were: Hankins, 1591-118X; Strebe, 1586-87X; G. J. Rupprecht, 1585-90X; Sprowles, 1584-84X.

The Grand Agg. gives us a wide 229X; Hankins, 3170-190X; Strebe, 3165-163X; Sprowles, 3142-162X; Dick Dorian, 3134-171X; Expert—Don Thornton, Maysville, Mo., 3110-127X; SS—Gordanier, Kansas City, 3104-114X; Mk—Wm. McBride, Kansas City, 3112-120X; Uncl.—Rupprecht, St. Louis, 3108-126X.

Kendall won the Position Agg., 772-32X over Rupprecht's 742-22X.

May 12th—Out in front of the field by a long stretch at the **Roseland, N. J. 4th Annual Spring Position Tournament**, conducted on the O'Hare Range, was Dr. William G. McAuliffe with an excellent 784-39X. The entry of 58 was a bit disappointing and was attributed to two factors—the tournament was inadvertently scheduled on Mother's Day, and several shooters who regularly compete did not enter because of the 3-lb. trigger rule.

The day began with a penetrating chill in the air, but warmed up as the matches progressed. Wind was negligible during the Prone and Sitting. The former went to L. Arthur Burton who fired 200-17X. Winnie Carr was second with 200-16X. . . . Bill McAuliffe cleaned the Sitting with 13Xs. Marksman John Kaveckas ranked second with 199-11X, but as he was High Junior, second place went to former Army AMU shooter Vic Polansky, also with 199-11X. . . . Wind velocity increased and became tricky, causing a slight drop in scores for the Kneeling match. The 197-10X posted by Doug Smith was high, an X ahead of James McHugh. . . . Going into the Standing match, the tournament was still in doubt and extremely close. McAuliffe, who established the Range Record of 196-6X for this course a year ago, fired the standing position with the sling and proved that he hasn't lost his touch. His 191-2X was 4 points ahead of a cluster of 187's. McHugh was in second spot scoring 187-6X, followed by Frank Briggs with 4Xs.

Kaveckas won't be a Marksman long. Five points and some X's behind McAuliffe, his 779-30X was the second highest score in the Agg. As he received the High Junior award, second place was passed down to

McHugh of Pa., who ran into trouble in the prone match (5 points worth) which he was unable to overcome, and ended up with 778-34X. Frank Briggs placed third, 2Xs behind, and Henry Yoos, Jr., from Mt. Holly, N. J., was High Master, scoring 773-22X. Smith, who ranked next, took Expert honors for his 771-36X, and Ken Maravilla was High Marksman with 769-35X. Virginia Williams, Stamford, Conn., won High Lady laurels—763-31X—but wasn't proud of her score. High SS, with 761-25X was Phil Martinez.

Mirage was heavy during the Offhand and 2-man team 4-position matches. Yoos and McHugh posted the winning 783-34X team score over Anthony Simeone and McAuliffe's 770-27X. . . . Jersey wind has been kicking up the past year, but it is hoped that it will be back to normal for the Fall tournament.

May 18-19—Pan-Am stars Caygle and Bertva shared the spotlight at the approved International Matches in Murrysville, Pa. M/Sgt. Edward E. Caygle, Jr., USAF, who has turned in the most consistently high English Match scores of any shooter in the world, won this smallbore prone event with a 591X600 score. Bertva and A/1 Raymond N. Lewis, USAF, ranked second and third with 587. Ed fired his Atkinson-Marquart BSA Mk. II, Lewis, a Hart-40X.

It gives me great pleasure to congratulate Caygle, T/Sgt. Allan H. Hannon, S/Sgt. Robert E. Barnard, S/Sgt. David A. Thompson, and A/1 Robert S. Morgan, all of the USAF Int'l Team, on their recent promotions.

The 3-position 50-meter ISU match put Capt. John T. Bertva, USAF, in the winner's slot. Firing a 40X free-rifle, his 1135 gave him a comfortable margin over the 1130's scored by M/Sgt. William E. Krilling and Lt. Gene Kolstad, both of USA AMU, shooting Anschutz free-rifles. Krilling's 390 prone outranked Kolstad's 387. (Montana shooters will remember Kolstad, who hails from Billings.)

May 19th—The private range, owned and maintained by Betty and Frank Mason, was the scene of another successful "Season Opener" tournament hosted by the Libertyville, Ill. Gun Club. Although Gene Stamm, of Peoria, didn't win an individual match or sub-agg., he stayed well up there and, when the shootin' was over, claimed top honors for his 1590-99X Grand Agg.

Bill Hankins took advantage of early morning calm, rolling up a 400-34X 100-yd. any win over Stamm's 400-31X. . . . The 80 competitors, including 27 Juniors, became more conscious of the chill in the air as wind activity steadily increased from 4:00 to 7:00 o'clock, resulting in 45 m. p. h. gusts. . . . In the Dewar any, it was Hankins' 399-27X on top again, and Robert Wempe of Chicago, second, with 399-23X. This gave Hankins an impressive Any Sight Agg. score of 799-61X, Stamm—798-55X, and Louie Schmiedl, of Chicago—797-58X.

A. Gilkes, St. Louis, took the 50-yd. metallic—399-28X to Wempe's 399-15X. The 50-meter metallic went to C. Ardelt, Wheaton, Ill., scoring 397-24X over the 395-17X fired by K. Despard, Rockford, and Gilkes. Gilkes' wind-doping paid off with a 794-45X Metallic Agg. win. Ardelt and Stamm followed with respective 792-47X and 792-44X scores.

Being runner-up in the Grand Agg. is getting to be a habit with Hankins. He scored 1588-101X, Wempe, 1587-84X. Class winners: EX—S. Pillatsch, 1576-79X; SS—R. Talacek, Cicero, Ill., 1574-75X; Mk—D. C. Twentyman, 1566-62X.

The Black Hawk tournament is held on this beautiful, grassy, 80-point range, which faces east. Libertyville is one of those rare clubs which mails out its final bulletins immediately.

As Blue Trail winds blew, two young ladies dominated the 116 competitors at the **Connecticut State Junior Prone Small-**

bore Championship. Karen Carten and Janie Svab, 1962 Randle Team alternate, both of Stratford, shut out the boys in two of the three matches and the aggregate. Janie took the 50-yd. with 399-21X over Karen's 398-29X. At 100-yds., Karen was high Master-Expert—390-14X, Janie—384-10X. Janie was again leading in the Dewar with 396-20X to Karen's 393-16X. In the Agg., Karen was high over the field with her 1181-59X. Janie finished only 2 points behind—1179-51X. One boy managed to get into the winner's circle as Harold Noren, New Rochelle, N. Y. placed third Master-Expert with 1168-40X. Barbara Huenerberg of Bridgeport was right behind with 1165-44X.

Richard Ludwig, Springfield, Mass., led the SS-Mk with 395-15X at 50-yds., an X ahead of Peter Montross. At 100-yds., Gordon Parks, Stratford, had high overall score of 391-11X. Terry Wilkenson, Stratford, with 392-19X, was high in the Dewar. Steve Metzger, Stratford, out-X'd Ludwig in the Agg.—1169-45X to 1169-36X.

The Stratford PAL Club always collects a lion's share of awards, and this occasion was no exception. All listed Stratford youngsters are PAL members. . . . A group of 40 traveled from Valley Stream, N. Y. to experience their first match. Arriving late, all but three fired only at the 100-yd. range. Rather a rough introduction to outdoor firing, finding themselves faced with strong, shifting winds at long range!

Duff Aukerman, Old Greenwich, out-shot the Experts to place first at 50-yds. in Class B (over 14 years of age and unclassified) with 397-20X. Robert Danaher, Westport, with 389-13X, was Class B winner at 100-yds. . . . Patrick Quick, Frank Briggs' protege from Flushing, N. Y., who only began shooting in February, took everything in Class C (unclassified youngsters under 14) except for the 100-yd. match which went to Joe Svag's 384-8. Patrick ended up with an 1157-35X Agg.

Outshooting a field of nearly 200, Gary Olson wrapped up the **California State Junior Position Championship** with a 389-20X on the San Gabriel Valley Gun Club range at Duarte. Compiling 100-9X Prone, 93-2X Standing, 100-6X Kneeling, and 96-3X Sitting, Gary made good his last crack at the title. Tom Shanks, from the Lock Stock & Barrel Club of Riverside, finished second with 387-10X; Susan Meek, firing 381-12X, won the High Girl title, while Donald Johnson's 371-10X topped the Sub-Juniors.

The following were named to the Calif. State Jr. Team: Olson, Doug Spencer—384-13X, Susan Meek, Richard Hansen—379-11X, from San Gabriel Valley Gun Club; Shanks and Rick Stebler—380-14X, Lock Stock & Barrel Club; Bob Randle—383-18X, Tom Whitaker—381-12X, and Lee Zoeller—379-12X, South Coast Gun Club; John Fraser—382-13X and Scott Farmer—380-12X, Oxnard Kiwanis Jr. Rifle Club; and Jim Paterson, Santa Barbara—378-13X.

Led by Olson's 396-21X, the San Gabriel Valley team of Spencer, Hansen, and Paul Jessup, were victorious in the prone Dewar metallic team match—1579-76X over the 1569-59X posted by Oxnard Kiwanis.

An idea which might well be adopted by other clubs is the San Gabriel Valley Gun Club's practice of always having a doctor in attendance at their junior tournaments.

It isn't easy to get ahead of Rans Triggs, and no one did when the **Roosevelt Club** of N. Y. City hosted its Annual Metropolitan Spring Outdoor Smallbore Championship at Roseland, N. J. With a full house—68 shooters—Triggs wound up with an 1195-90X Agg.

Harry Stone cleaned the 50-meter and Dewar any, totaling 61Xs, but then a bad 100-yd. bull in the Dewar iron cost him 5 points. Between Loren Samsel, who fin-

(Continued on Page Seventeen)

National Bench Rest Shooters Association, Inc.

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NBRSA MEMBERSHIP DUES:

Individual annual dues \$5.00 (includes magazine subscription for membership term). Associate member (wife or husband, son or daughter under 18 years of age, of member in good standing—no magazine) \$2.50. Life membership, \$75.00. Annual club affiliation fee \$10.00.

PRESIDENT'S CORNER

In this month's issue I shall take up a few lines of "my corner" to pass on to the members the action that has taken place in preparing the new Rules Book. First of all I wish to thank the Rules Committee, Brunon Boroszewski, Paul Gottschall and Chairman Charles Kingsley for the hard work and untold hours they have put into this assignment. After many hours, phone calls and discussions, we have come up with a new rules book which I know each one of you will be proud of. Should you find some rules that are not to your liking, please bear in mind that we are not all perfect. We have tried our best to make the rules as understandable as possible and close out all loop-holes. The new rules book shall have at least five blank pages at the end so that amendments (and possibly new by-laws) printed on gummed paper may be inserted without the cost of reprinting the entire book.

While preparing the revision of the new rules book, never did I fail to have at least one or two letters a day on my desk to be answered. I felt happy to do this, since I felt the members needed the new book. After seeing it all completed I was well rewarded in doing my job, for the Rules Committee really came through with flying colors. My hat is off to them; A JOB WELL DONE.

Have you noticed some of the valuable and astounding information that has been coming out in the recent months of Pre-

cision Shooting? I am glad to see the writers and shooters revealing this information. Several, I have written to requesting this information and am very happy to see that they have printed it so many can be informed. Thanks to you also.

I am happy and proud to say I have in my possession Vol. 1, No. 1 up to the last issue of Precision Shooting. Often I refer to several years back for information I am seeking. If one has all the books and just reviews them he can see the great progress we have made in passed years of improving the benchrest shooting game.

Welcome to our new Northwest Regional Director, Mr. Ray Speer. I know he has and will do unlimited good work in helping improve the NBRSA. Ray is an ardent bench rest shooter and a diligent promoter of rest shooting in the Northwest Region. May I ask each member in the NW Region to give him their complete support, along with all other members of the NBRSA.

The reports from the two clubs holding the National Championships this year are very encouraging. They are putting their ALL into seeing that it will be as comfortable for the shooters as can be. I only hope that shooters in return will turn out and make both of these shoots a great success.

In coming to a close I wish to thank the Board of Directors for the fine work they did in helping on the decisions and their comments on the New Rules Book. With such a fine group of men to work with it sure makes my job much easier.

Until next month,

Al Walter
Pres., NBRSA

1963 BENCH REST MATCHES

EASTERN REGION

Heavy Bench Rifle Classes

Augusta, Ohio: June 28 (night), July 27 (night), Aug. 17-18, Sept. 14-15 (Eastern Region Championship); Reed's Run Rifle Range, Box 66, Augusta, Ohio.

Plainfield, New Hampshire: Sept. 22 (State Championship); Plainfield Rifle Club, Inc., c/o Leslie R. Stone, Sec'y, Plainfield, New Hampshire.

Southboro, Mass.: July 28 (State Championship), Oct. 12-13; Southboro Rod & Gun Club, Inc., c/o J. W. Baldwin, P. O. Box 402, Westboro, Mass.

Easton, Ohio: July 20-21 (200 yd. and 300 meter); Chippewa Rifle Club, Inc., c/o Nelson Berger, Sec'y, R. D. #1, Box 192, Marshallville, Ohio.

Wapwallopen, Penn.: Aug. 29, 30, 31 and Sept. 1 (NATIONAL CHAMPIONSHIPS); Council Cup Rifle Range, c/o Robert W. Hart, 332 Montgomery St., Nescopeck, Pa.

Lewistown, Penn.: July 6-7; East End Blue Rock & Sportsmen's Club, c/o P. J. Aurand, Milroy, Pa.

Varmint and Sporter Classes

Fassett, Pa.: July 13-14 (Eastern Region Championship), Sept. 8, Sept. 28-29 (State Championship); South Creek Rod & Gun Club, c/o Gerald Arnold, Sec'y, R. D. #2, Gillett, Pa.

Dryden, New York: June 28-29 (State Championship); Dryden Fish & Game Club, c/o Ed Shilen, Dryden, N. Y.

Wapwallopen, Penn.: July 27-28; Council Cup Rifle Range, c/o Robert W. Hart, 332 Montgomery St., Nescopeck, Pa.

GULF COAST REGION

San Angelo, Texas: July 27 and 28; Varmint and Sporter classes State Championship. Texas Bench Rest Shooters Ass'n, E. L. Phillips, Jr., President, 3100 Windsor, Odessa, Texas.

SOUTHWEST REGION

Yreka, California: Aug. 31 and Sept. 1 (West Coast Championship); Yreka Rifle Club, c/o Ray E. Jones, 508 Knapp St., Yreka, California.

Richmond, California: July 27 and 28 (California State Championship); Richmond Rod & Gun Club, Inc., c/o Lloyd Hyde, Sec'y, 3155 Goodrich Ave., Richmond, Calif.

Fresno, California: Oct. 12 and 13 (Southwest Region Championship); Fresno Rifle & Pistol Club, c/o Henry C. Wright, Sec'y, 4663 East Olive,

Fresno, Calif.

Modesto, California: November 3 (non-registered); Modesto Rifle Club, c/o Duane D. Jenner, 1499 Ralston Court, Modesto, Calif.

MISS. VALLEY REGION

St. Louis, Missouri:

June 30, day, Heavy & light Varmint

July 21, day, Sporter & light Varmint

Aug. 9-10-11, NATIONAL CHAMPIONSHIP

VARMIN'T & SPORTER

Sept. 8, day, Unrestricted class

Sept. 28, night, Heavy Varmint

Oct. 12, night, Sporter class

Bench Rest Rifle Club of St. Louis, c/o Arthur M. Freund, Sec'y, 1038 Hornsby, St. Louis 15, Missouri.

MID-CONTINENT REGION

Hot Springs, Arkansas: July 28 (night, heavy varmint & sporter), Aug. 24 (night, heavy varmint & sporter); Hot Springs Gun Club, c/o Robert A. Holiman, Sec'y, 220 Hollywood Lane, Hot Springs, Arkansas.

Wichita, Kansas: July 6 & 7 (Kansas State Championship, day and night, all classes), Oct. 5 (night, Heavy Var. & Unrestricted); Wichita Bench Rest Rifle Club, c/o C. R. Kunkle, Sec'y, 1914 Lydia, Wichita, Kansas.

Tulsa, Oklahoma: July 20, Sept. 15*, Oct. 13* (all matches for all classes, June & July night, * denotes non-registered); Tulsa Bench Rest Rifle Club, c/o R. G. Berry, Pawnee, Oklahoma.

Kansas City, Kansas: Sept. 21 (day and night, Heavy Varmint), Oct. 19 (day, unrestricted); Mill Creek Rifle Club, Inc., c/o L. F. Carden, 5022 Waverly, Kansas City 4, Kansas.

NORTHWEST REGION

Seattle, Washington: Aug. 17 and 18, registered matches, all classes. Non-registered matches for various classes on June 30, July 21. All matches on the new range of the Seattle Precision Shooters, Inc. Contact Manley M. Oakley, Sec'y, 7230 So. 116th, Seattle 78, Wash.

Lewiston, Idaho: July 5 and 6, conducted by Lewiston Pistol Club, Warren Cloning, Sec'y, 3415 11th St., Lewiston, Idaho.

NORTH CENTRAL REGION

Custer, South Dakota: Aug. 17 (unrestricted rifles), Aug. 18 (sporter championship), July 28 (non-registered .22 rim-fire bench rest). Walt Siewert, Box 749, Custer, South Dakota.

Iowa Falls, Iowa: July 13 (sporter & varmint—nite), July 14 (unrestricted—morning), Sept. 15 (sporter & varmint—morning). Iowa Falls Gun Club, Lee R. Boddy, Sec'y, Iowa Falls, Iowa.

Buffalo, Wyoming: July 13-14, Mid-Year Shoot (Unrestricted & Varmint); Sept. 8, Sporter Shoot. Buffalo Outdoor Rifle Club, Inc., C. C. Hankins, P. O. Box 151, Buffalo, Wyoming.

Bench Rest Match Reports

ST. LOUIS, MISSOURI

Fourteen shooters competed in a Light Varmint Rifle class match on the Bench Rest Rifle Club of St. Louis range Saturday night, May 11th. A 3 to 12 o'clock wind was troublesome, with gusts up to 30 m.p.h. In spite of not so good conditions, all range records for this class were broken except for 100 yard group. Three of the top five grand aggregates were made by Hot Springs, Arkansas, shooters. The high ranking aggregates were:

	Grand	100 yds	200 yds	Agg.
Audrey McDonald		.597	.5220	.5595
Arthur M. Freund		.532	.5895	.5607
Tom Gillman		.584	.6025	.5932
Ernest Mayfield		.567	.6975	.6322
Arthur J. Freund		.837	.6290	.7330
W. Espy			.565	

McDonald shot a .222½ in an 18 inch Douglas barrel on Springfield action with Unertl 14X scope, with load of 27½ grs. Ball C, Sierra 53 gr. H. P. and Rem. primer.

A. M. Freund shot his .6mm International in Douglas barrel on Rem. 722 action

PROGRAM NATIONAL CHAMPIONSHIP VARMINT AND SPORTER MATCHES COLONEL TOWNSEND WHELEN RANGE, ST. LOUIS, MISSOURI AUGUST 9, 10 and 11, 1963

The Whelen Range is on the east side of the Missouri River east of St. Charles, Mo. and north-west of St. Louis. From bypass U. S. #61, #67, #66, proceed north-west on Mo. #115 (Natural Bridge Rd.) or Mo. #180 (St. Charles Rock Rd.) to the bridge at St. Charles, Mo. Turn north, before crossing the bridge, on Missouri Bottom Rd. to Wabash Railroad bridge. Turn left under railroad bridge to range.

MATCH SCHEDULE

Friday, August 9th
Light Varmint Class
Six 5-shot matches at 200 yards
Six 5-shot matches at 100 yards

Saturday, August 10th
Heavy Varmint Class
Six 5-shot matches at 100 yards
Six 5-shot matches at 200 yards

Sunday, August 11th
Sporter Class
Six 5-shot matches at 200 yards
Six 5-shot matches at 100 yards

The matches will start promptly at 8:00 A. M. each day.

MATCH FEES

Range registration fee \$5.00 per day. N. B. R. S. A. fee 50¢ for members and \$1.50 for non-members each day. For those wishing to shoot for cash awards a fee of 50¢ for each match and aggregate will be charged. Cash will be distributed based on a place for each 15 shooters or a major fraction of 15 shooting for cash awards. Cash will be returned to shooters 100%.

PRIZE AWARDS

A Lariat Tie will be awarded by the NBRSA for first place in all National Course matches and aggregates. The GUN DIGEST TROPHY to Heavy Varmint Class Champion. The JOHN I. MOORE TROPHY to Sporter Rifle Class Champion. The SAN ANGELO CUP TROPHY to Light Varmint Rifle Class Champion. Trophies will be awarded for places 2 through 5 in Heavy Varmint, and 2nd and 3rd in Light Varmint and Sporter Class. A trophy will be awarded for small group at each range in each class.

GENERAL INFORMATION

Meals will be served at the range each day. Camping, trailer, electric, water and other comfort facilities are available at the range. Motels are available on bypass US #61, #67, #66 within six miles of the range. For further information contact:

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Gillman shot a 6mm/.222 in a 19 inch Douglas barrel on his own action with a Litschert scope and load of 24.3 grs. Ball C, 60 gr. Sierra bullet and Rem. primer.

ABILENE, TEXAS

At the West Texas Sportsman Club's May 19th match, 13 shot in Light Varmint class with best aggregates by C. A. Morris .506, Gail Pyburn .616, Brian Summers .636 and Melvin Boase .657.

For the 13 shooting in Heavy Varmint class, it was Bob McLaren .624, John Richardson .630, Jean Bonner .660 and Jake Roberts .732.

Best aggregates for the 8 shooting in Sporter class were by Bob McLaren .592, Melvin Boase .715, Fred Bussell .823 and C. A. Morris .849.

For the June 2nd shoot, with 12 shooting in Heavy Varmint class, Henry Moore, Fort Worth, won with .581, Jake Roberts had .596, C. A. Morris .618 and Brian Summers .671.

In Light Varmint class (11 shooters) it was Fred Bussell .476, H. W. Ward, Snyder, Texas .645, Grady Center .708 and C. A. Morris .733. In Sporter class (8 shooters) Melvin Boase won with .648, Fred Bussell .654, C. A. Morris .763 and R. L. McLaren .825.

All shooting at this club has been at 100 yards but it is reported that they are building a big new range where they will hold the 1964 Texas Championships and that they plan to bid for a National Championship shoot.

SAN ANGELO, TEXAS

Thirty competed in the Texas State Championship matches at San Angelo on May 25 and 26. Dick Coleman beat the field of 18 in Unrestricted Rifle class with

a NMC aggregate of .641. Marie Spencer was 2nd with .677, Mildred Coleman 3rd with .714 and R. W. (Bob) Smith 4th with .720. At 100 yards Col. T. J. Jackson won the aggregate with .493, Bob Smith .497, Mildred Coleman .505 and Dick Coleman .511. Dick Coleman won at 200 yds. with .772, John I. Moore had .777, Marie Spencer .808 and R. E. Click .868.

Dr. Sam Nadler from New Orleans, La., shooting a Shilen rifle and bullets, beat the field of 27 in Heavy Varmint Rifle class with a .443 grand aggregate and set a new range record in so doing. His 100 yard aggregate was the winning .276 and his .609 at 200 yards was second.

Following Dr. Nadler in the grand were Col. T. J. Jackson with .552, Dick Coleman .558 and R. R. Ivey .567; and in the 100 yd. agg., E. L. Thomason .417, J. D. Richardson .432 and Col. Jackson .437. Fred Bussell won the 200 yd. agg. with .532, Dick Coleman 3rd with .648 and J. L. Bonner 4th with .654.

At a meeting of the Texas State Ass'n, R. L. McLaren, Abilene, was elected President and J. L. Bonner, Box 606, Cross Plains, Texas, Secretary-Treasurer.

KANSAS CITY, KANSAS

Bernard J. Geenens, Shawnee, Kans. made a clean-sweep win of the aggregates at the Mill Creek Rifle Club's Varmint Rifle match on May 25th, beating the field of 14 shooters by decisive margins. He posted a 100 yd. agg. of .431, at 200 yds. a .3795, and a grand agg. of .4052 MOA.

Following Geenens at 100 yards were M. Johnson .482, H. Powers .508, N. Jackson .508 and H. Dick .547. At 200 yds. Powers .5410, R. Hornbeck .5815, Walt Berger .6475 and M. Johnson .6815. In the Grand Agg., Powers .5345, Johnson .5817, Hornbeck .5927 and Berger .6072.

Garber shot a .295 for small groups at

100 yds. and Geenens a .600 at 200 yds. Garber, M. Johnson, N. Jackson and H. Dick are all new competitors.

RICHMOND, INDIANA

Irv Potter, Dayton, Ohio, made a clean-sweep of the aggregates in a daytime match for unrestricted bench rifles at Richmond on May 19th under reported "very windy" conditions throughout the day. Shooting a .22 cal. rifle, his 100 yd. agg. was .381, at 200 yds. .4977, and NMC agg. of .437 MOA. He won or placed in the top three in 9 of the 10 matches.

Al Roberts, Louisville, Ky. shot a .222 Mag. at 100 yds. for 3rd place agg. of .432. He shot a .30 cal. rifle at 200 yds. for another 3rd place (.603) and made a 2nd place NMC agg. of .517.

Ferris Pindell, Richmond, shot a .308 rifle with 168 gr. Sierra bullets at both ranges. His .474 agg. at 100 yds. ranked 5th, but he was runner-up at 200 yds. with .562 and 3rd in the NMC agg. with .518. Floyd Gibson, Richmond, was 2nd at 100 yds. with .398.

Cline Deere shot another .308 rifle. While his groups at 100 yds. were very consistent, only one over .600, his .578 agg. took cellar honors for the 7 shooters. He fouled up in the first two matches at 200 yds. to disqualify, but he won the third match with .966" and was runner-up in the last two matches with 1.082 and .880".

FASSETT, PENNSYLVANIA

A good entry of 26 shooters participated in the May 19th Varmint Rifle and Sporter class matches at the South Creek Rod & Gun Club. Conditions are reported to have been very windy at the start of the matches and got progressively worse during the day. The conditions are reflected in the size of the aggregates and the fact that

(Continued on Page Twelve)

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Bench Rset Reports

(Continued from Page Eleven)

6 of the 23 Varmint class shooters disqualified.

South Creek Club secretary Jerry Arnold won the Varmint class grand aggregate by a comfortable margin. The five high ranking aggregates were:

	100 yd.	200 yd.	Agg.
Jerry Arnold	.495 (2)	.627 (1)	.567
Bob Hart	.532 (5)	.718 (2)	.625
Ed Shilen	.452 (1)	.812 (4)	.632
Ed Speary	.515 (3)	.754 (3)	.6349
Wallace Hart	.521 (4)		.7386
Ray Geitner		.832 (5)	

Only three competed in Sporter class. Don McClure was 2nd at 100 yds. with .699, 2nd at 200 with 1.019 and won the grand with .859. Harry Kintz was 3rd at 100 with .958, 1st at 200 with .937 and 2nd in the Grand with .947. Harry Bente was 1st at 100 with .665 but did not complete the 200 yd. matches.

The Club expects to have new covered 12 bench firing line completed and ready for the Eastern Region Varmint and Sporter class Championships on July 13th and 14th. The range is located 7 miles south of Elmira, New York and just off Rt. 14.

YREKA, CALIFORNIA

While we do not yet have any detailed report of the June 1 and 2 matches at Yreka, John Sweany has sent us a list of the aggregate winners. Here they are:

200 yard aggregate

Unlimited, Allen Hobbs	.6610
Limited, Virginia Jones	.6695
Heavy Varmint, L. E. Wilson	.5985
Light Varmint, Dale Strawn	.7547

100 yard aggregate

Unlimited, Ray Speer	.5872
Limited, Ray Jones	.6384
Heavy Varmint, Virginia Jones	.5100
Light Varmint, Ray Jones	.6000

Grand Aggregate

Unlimited, Allen Hobbs	.6360
Limited, Virginia Jones	.6628
Heavy Varmint, Virginia Jones	.5608
Light Varmint, Dick Silva	.7525

SEATTLE, WASHINGTON

The Seattle Precision Shooters held their first "Flybustin Shoot" in May, which was generally enjoyed as a real "fun" shoot. Orville Jones couldn't be caught in the 13½ lb. class and Manley Oakley won in the 10½ lb. class, both with a total of 96 points for 5 matches. Scoring was by "Flybustin" rules with no bonus points.

TULSA, OKLAHOMA

The Tulsa Bench Rest Rifle Club held a get-together for shooters and families on May 19th with a mid-day picnic style lunch and the afternoon devoted to "fun" shooting. The shooting included "Flybustin," widest group, center shot and crow matches. It is reported to have been a leisurely, enjoyable event which the folks seemed to like well enough to want more of.

ALLENTOWN, PENNSYLVANIA

At the first Crooked Creek Benchrest Shooters match of the season on May 19th the 1962 aggregate trophy winner in .22 cal. class, Roland Hilbert, started off in 2nd place, beaten by Vernon Haldeman. But at the June 2nd match, Hilbert was back in the groove with the two smallest groups .432 and .609. William Bloose took 2nd place award with .631".

Bruce Romig, club secretary and 1962 aggregate winner in the larger bore class, fired the two smallest groups in the first match but dropped to 2nd place in the second match, being beaten by Dr. William Fox.

This group shoots two Sunday afternoons each month through the summer, with Varmint and Sporter rifles. They fire two groups at 100 yards and the smallest one counts for record. The "larger bore" class is for caliber .243 through .30.

ST. LOUIS, MISSOURI

Heavy Varmint and Sporter class range records took a beating at the May 26th Benchrest Rifle Club of St. Louis matches. Barbara Schellert's Heavy Varmint class 200 yd. agg. of .3327 MOA has been submitted for judging as a possible new national record and her husband, William, shot a 100 yd. group of .093" which is also being submitted for judging.

For the Heavy Varmint matches in the morning, conditions are reported to have been very fine for this range; overcast sky with light fishtailing wind and very little mirage. The five high ranking NMC aggregates were:

	NMC Agg.	100 yd.	200 yd.
Barbara Schellert	.3744	.4160	.3327 (1)
A. M. Freund	.4068	.3476 (1)	.4659
Tom Gillman	.4097	.3542 (2)	.4652 (2)
William Schellert	.4502	.3726	.5278
Ernest Mayfield	.4601	.3994	.5208

There were 14 competitors in this class. Barbara and William Schellert were shooting new Shilen built rifles with Hart barrels in 222½ cal. Freund shot a 219 Don in Holmes barrel on Shilen action. Gillman and Mayfield shot Douglas barrels in 222 and 222 Mag. cal. The Schellerts and Freund used home-swaged bullets while Gillman and Mayfield used 53 gr. Sierra bullets.

Sixteen shot Sporter class matches in the afternoon with the wind increased to a minor gale, but two range records were broken, both by A. M. Freund. The 5 high ranking aggregates were:

	NMC Agg.	100 yd.	200 yd.
A. M. Freund	.5590	.5674 (1)	.5506 (1)
A. J. Freund	.6040	.6028 (2)	.6053 (2)
Tom Gillman	.6242	.6082	.6402
R. A. Freund	.6443	.6272	.6614
P. E. Fowler	.6949	.6924	.6974

All shot 6 m/m rifles, the three Friends the 6 m/m International and Gillman a 6X47. All but R. A. Freund used Douglas barrels; R. A. used a Nu-Line (St. Louis successor to Ted Holmes Gun Shop). The Friends all used 75 gr. bullets made in Bahler Die Shop dies; Gillman used 60 gr. Sierra and Fowler 75 gr. Sierra.

JOHNSTOWN, NEW YORK

Fifty shooters competed in matches for Unrestricted, Heavy Varmint and Sporter class matches at the Pine Tree Rifle Club range, Johnstown, New York, June 1st and 2nd. Weather is reported as having been sunny and quite warm, without too bad wind but with a troublesome heavy shifting mirage.

Thirty-one completed NMC aggregates with Unrestricted Rifles in two classes; Unlimited (0) and Limited or sand-bag rests

PROGRAM FOR THE NATIONAL CHAMPIONSHIP BENCH REST RIFLE MATCHES TO BE FIRED ON THE COUNCIL CUP RIFLE RANGE NEAR WAPWALLOPEN, PENNSYLVANIA

AUGUST 29th, 30th, 31st and SEPTEMBER 1st, 1963

(The Council Cup Rifle Range is about 1/2 mile north of Wapwallopen and 1/2 mile off Route 29. Route 29 joins U. S. Route 11 at Shickshinny, Pa. From South and West, leave Route 11 at Berwick, Pa., cross river on Route 93 and bear left at its junction with Route 29 to Wapwallopen.)

THE MATCH SCHEDULE

Thurs. and Fri., August 29th and 30th

Each day at 100 yards range

One 10-shot warm-up match

Five 10-shot record matches

Daily Aggregate, five 10-shot record matches

Sat., Aug. 31st and Sun., Sept. 1st

Each day at 200 yards range

One 10-shot warm-up match

Five 10-shot record matches

Daily Aggregate, five 10-shot record matches

CHAMPIONSHIP AGGREGATES: The 100 yard National Championship will be the aggregate of the ten 10-shot record matches. The 200 yard National Championship will be the aggregate of the ten 10-shot record matches. The NATIONAL CHAMPIONSHIP will be the combined aggregate of ten 10-shot record matches at 100 yards and the ten 10-shot record matches at 200 yards.

TWO CLASSES: The 100 yard Championship, the 200 yard Championship, the NATIONAL CHAMPIONSHIP and the Top-Twenty awards will go to the smallest aggregates REGARDLESS OF CLASS. Ranking and specified awards (including optional cash pool prizes) for all fired matches and daily aggregates will be separate for the two classes, OPEN and LIMITED. Participants will register for the class they wish to compete in.

RULES: Current NBRSA rules for National Championship Matches will govern all shooting.

MATCH FEES: Range Registration Fee, \$5.00 per day. NBRSA fee, 50¢ for members and \$1.50 for non-members. For those wishing to shoot for cash awards a fee of 50¢ for each match and aggregate will be charged. 100% of cash prize pool returned to shooters and distribution based on a place for each 10 shooters or a major fraction of 10 shooting for cash awards.

TROPHIES AND AWARDS: To the NATIONAL CHAMPION; the Whelen Trophy with keeper trophy supplied by NBRSA; the Field & Stream Trophy with keeper supplied by the donor; and the Bausch & Lomb Plaque. A Revere Bowl to second and third place, supplied by NBRSA Eastern Region. To the 100 YARD CHAMPION, the Speer Trophy with keeper supplied by donor. To the 200 YARD CHAMPION, the Sierra Trophy with keeper supplied by donor. The NBRSA will award TOP-TWENTY patches for the twenty smallest National Championship Course aggregates (regardless of class) and a Lariat Tie to first place in each class for all National Course record matches and aggregates, plus a Championship Patch to 100 yard, 200 yard and National Champions.

GENERAL INFORMATION: Meals will be served at the range each day. Camping, trailer, electric, water and other comfort facilities are available at the range. Motels are available on U. S. Route 11 within ten miles of the range. For further information contact Robert W. Hart, 332 Montgomery St., Nescopeck, Pa.

SAVE THIS PAGE: It is the official program and the only one which will be issued.

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(L) Wm. Cotter	.6139	.414 (2)	.8138
(L) Royal Alvis	.6194	.600	.6388
(L) Ed McNally	.6209	.587	.6548
(L) Lawrence Rucker	.6256	.564	.6871
(L) Harry Bente	.6416	.578	.7052
(L) B. Boroszewski	.6769	.812	.5418 (2)

Boroszewski and Rucker shot .30 cal. rifles, all the others shot .22 cal. All but Boroszewski shot Hart barrels, Brunon used a Day barrel.

Thirteen completed grand aggregates in Heavy Varmint class (5-shot matches). The five high ranking grand aggregates were:

	Grand Agg.	100 yd.	200 yd.
L. Rucker	.4661	.380 (1)	.5521 (1)
P. Horowitz	.5201	.417	.6231
Joe Stearns	.5464	.396 (2)	.6968
G. Stannard	.5476	.500	.5952
A. Glover	.5476	.412	.6832
D. Hull			.5843 (2)
Boroszewski			.5942 (3)

All five of the grand aggregate winner shot Hart barrels. Rucker used a Weber action and the other four shot Shilen built rifles with Shilen actions.

Only four completed grand aggregates in Sporter class. They were:

	Grand	100 yd.	200 yd.
Clifton Carr	.8882	.894	.8824
Gerald Southard	.9033	.856	.9506

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752-5761.

C. Fulmer	.9104	.946	.8748
D. B. Hufnail	.9404	1.012	.8688

All four shot 6 m/m rifles. Carr shot a Remington factory rifle (possibly a 40-XP?). Fulmer and Hufnail shot Shilen rifles with Hart barrels. Southard used a Douglas barrel.

(L). The high ranking aggregates were:

	NMC	100 yd.	200 yd.
(L) Paul Gottschall	.4642	.387 (1)	.5414 (1)
(O) Al Glendening	.5387	.442 (3)	.6354
(L) Robert Hart	.5672	.475	.6593
(L) Omar Rinehart	.5781	.484	.6721
(L) Ed Shilen	.5815	.558	.6049 (3)
(O) A. H. Angerman	.5823	.487	.6775

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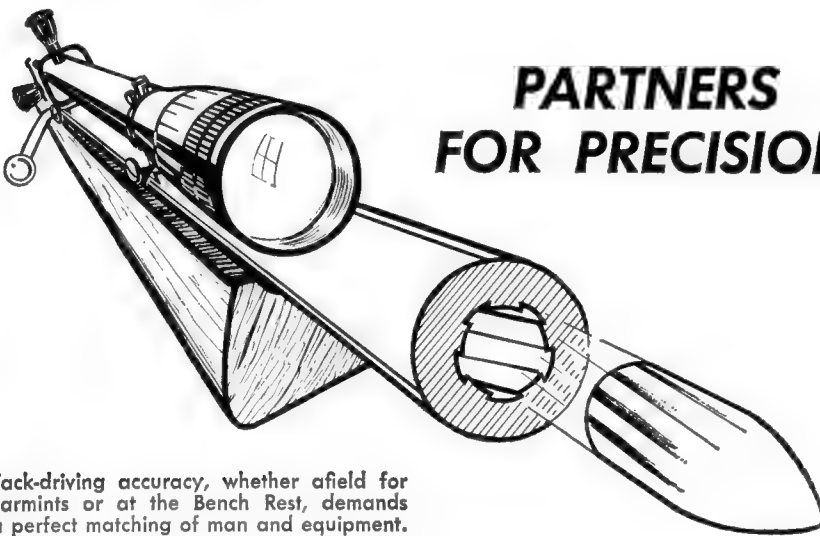
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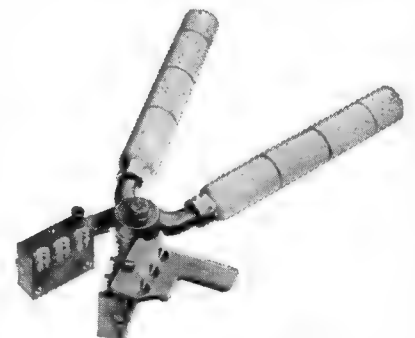


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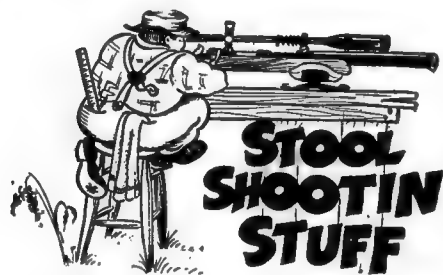


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Dear Phil:

One of the fellows the other day referred to this period as a very hectic one for the shooters. I certainly agree with him. Matches are coming so thick and fast that a fellow who finds himself so far away from the center of things as I am either at a match, on the road to and from one, busily overhauling his gear to offset the dust and dampness or reloading and packing for the next trip. It is hard to find time to keep up with the correspondence and do a little gun work or testing. It seems only a few short days ago that I sent you the copy for the last column but from the calendar I notice that it is a full month during which much has transpired.

I have always looked forward to getting up to Johnstown a little early because of the warm feeling and memories that I have for the Club. It is a pleasant place to camp and there is enough shade in the area to afford some comfort on the hotter days. Indeed this area is far different in appearance from the early days when we used to have work details who took a weekend to drive up from their various home locations and through their own contributions paid for and built the main covered loading table as well as picked up a half dozen truckloads of bottles and tins that were protruding from the sod that was just beginning to heal the scars of an earlier town dumping ground. The thumb sized trees that were showing up in those days are now important assets and those which were wrist size are providing the before mentioned shade. The desert-like area between the benches and targets has become a pleasant grassed one which perhaps deters a little of the mirage.

I am sure that many of those who shot there a few weeks ago will fully concur that the mirage was only deterred a very little because it was on the tough side. I was only one of many, I think, who retired the night before with full confidence in our guns and equipment because before dark, we had been able to make one little group after another. Indeed I say now after two bad days that I never attended a shoot with a better gun or components but I sure got fooled on those shooting conditions. I got disqualified in the third match of the heavy varmint class but that wasn't a result of conditions—at least, directly so although there were those who blew out or guessed themselves out beyond the border. Sometimes the changes would be subtle and slow and others so violently fast that between the time you read the conditions and pulled the trigger, the shot would be way out in left field.

Ed McNally had a shot which put him in a squirmy position but fortunately it was the first on his record target and it cut the border line at about 8:30 o'clock. You could understand how squirmy that position was if you visualized the conditions, but he had to live with it and place his next shot as near as he dared to the bad one and hope that he could guess the next eight with that one. He did it and although it was not a group that could be measured in the low figures, it was far above the average of that match and really a piece of exceptionally good shooting.

The NBRSA rules are being clarified and perhaps to some extent moderately altered. This step will be a forward one and

I am going to be one of the first to buy one of the new rule books and study it carefully. As a matter of fact I wish I had gone over carefully the most recent rule changes because if I had, I perhaps would not have been disqualified in the heavy varmint class at the Pine Tree Shoot. We drew bench numbers and progressively changed benches in each class of rifle and when a fellow was shooting two classes, he sure was kept busy tracking his bench number and which rifle, ammunition and which rests were moved at each match to the proper position. It was not permissible to leave the gun on the bench because the next contestant needed the space. My loading point was on the top of a hill and I am sure I walked a greater distance than I would have in eighteen holes of golf even if I were the kind of golfer who could keep the ball in the middle of the fairway.

At one stage, both of my panel numbers were pretty near the middle of the line, being numbers 25 and 29. I sat down at bench #25 but must have subconsciously had in mind panel #29 which I had just shot at a few minutes before with my heavy rifle. I fouled my rifle by shooting a shot in the sand under the targets and then as is my custom, I aimed the second shot at the top of the S in the sighter target. Usually I leave the ten ring free in that target in case I have need to come back to it during a change of conditions. I popped a shot in both the left and right S and figured I was ready to go on the record target. Much to my amazement, the first shot landed outside the upper corner of the black square. I felt certain of the hold and that the conditions had not changed so I put a second shot close to the first one. As I was looking at that shot, I saw a third shot land on the record target and like many a fellow before me I immediately hollered that somebody was shooting on my target and notified the range officer. He made the usual announcement and I shot again and immediately thereafter another shot appeared on the target. I called out again and asked Marion Reece who was sitting next to me who perhaps had his hearing aid turned off during the shooting, if he was on my target. He didn't have the hearing aid turned off too far and he certainly was more alert than I because he immediately took a look at the targets and reported that my target was clean. He sure was right because there wasn't a hole on target #25 anywhere. I did not learn until last weekend that even though I reported the incident to the range officer following the match fully expecting to get disqualified, that I would not have been disqualified had I only fired a seven shot group on my own target. I had been under the impression that when a crossfire occurred and immediately reported, the information is relayed to the scoring committee. So it is but, my friends, bear in mind you can only have a total of ten shots in the combination of the two targets. Had I not crossfired, I could have had all thirteen or twenty-five shots on my own target and still stayed in the contest. Well, we live and learn and we can get along best by knowing the rules and being alert enough not to crossfire, although in almost every match at Johnstown I heard somebody say that their target was being fired upon and I must say that the range officer was frequently calling to us to make sure that our panel numbers and bench numbers corresponded.

Johnstown was a nice shoot except for the before mentioned tough shooting conditions. We didn't have a single spot of rain but those mosquitoes must have been more hungry than usual and reminded one of the story that Danny Hufnail tells so well. I can't match him but it goes somewhat like this: A benchrest shooter was lightly snoozing under a tree when he heard two mosquitoes buzzing about him and talking. As the first one spotted the

shooter, he called to his pal's attention the good meal on the ground. The second mosquito said "Yes, he sure does look good. Shall we eat him here or pick him up and take him back to our area," to which the first mosquito responded, "Heck, let's eat him right here, if we fly him back home the big fellows will take him away from us." Now, I have heard about Alaskan mosquitoes, New Jersey mosquitoes and I've been on unfriendly terms with Cape Cod mosquitoes for most of my life but I didn't realize that Dan's area in the little State of Vermont grew such whoppers. I leave it up to you to decide where the term "Whopper" should be applied! (If Phil Teachout prints this, I think we should all recognize him as a fearless fellow who worries but little about the Vermont Chamber of Commerce.)

Now that I am on a story telling vein, I'll tell you about another occurrence at Johnstown in which I took a minor part and which provided a good laugh for several of us. W. Slater has been a long time friend of Al Angerman and finally came to enough matches with him so that last fall he got the shooting bug bad enough to order a 40X center fire rifle. The Johnstown shoot was his first big match and he was shooting not too far from me and not doing as well as he would have liked. Al Angerman and I both recognized that there were troubles in either the rifle or scope and after the matches, we attempted some on the spot alterations to the bedding. The need was clearly indicated and hurriedly accomplished in its last stages just before dark. On the possibility that the scope might be giving trouble also, I removed my B & L from a spare rifle and we all went down to the shooting line just before darkness came on. The bore sighting process didn't go too well because it was too dark to spot the shots. We decided that my spotting scope and a gas-line pressure lantern which Slater had at Al's tent might be a help as Johnstown had no lights in operation at the 200 yard target line. Slater improvised a method of hanging the lantern adjacent to a clean target and Al Angerman was elected to do the bore sighting. He carefully adjusted the scope to the bore and called for a test cartridge as I attempted to spot the shots through my spotting scope. Al carefully touched one off and both the target image and the light blinked out. The light came on with reduced intensity as the white glow was replaced by a dimmer orange one. I looked for the shot on the target and then confirmed my suspicion which perhaps you, friend reader, have already guessed. Al had hit the lantern instead of the target. We were all bent double with laughter which lasted even longer than the time it took Slater to go down and get the lantern and bring it back to the benches. You have often seen in the record the success which has accompanied Al Angerman's shooting and I maintain it takes a real capable shooter to shoot out the chimney of a pressure lantern, shoot off both mantles, miss the generator and valve assembly and keep the flame still burning. We gave up attempting to use my scope at that stage and Slater put on his own scope again in the morning with very much better results the second day.

I have always enjoyed Plainfield and have sometimes shot pretty well there. It is rather a pleasant four hour drive for Merrie and me and the lovely meadow in which we shoot provides a level and comfortable place to enjoy a good night's rest in the station wagon with our pop tent living room. It is near enough to Vermont so that quite a few mosquitoes seem to come across the border but we drape the old Army mosquito netting crosswise above our faces and are very comfortable. Pop Berriman was parked not too far from us

(Continued on Page Sixteen)

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Stool Shootin' Stuff

(Continued from Page Fifteen)

and we were hardly awake when the aroma of his bacon and egg breakfast was tantalizing us. We are not coffee drinkers as a rule but the fragrance we got from the breezes sure indicated that Pop was making

the real stuff. This talent which Pop has for getting himself a generous and delicious breakfast is only one of the things which has developed my admiration for him. He has seen a lot of life and is still enjoying it and he is a pretty rugged individual. He admits to seeing all of the gay nineties and he told me several weeks ago that he still has his original badge which he wore as a taxi driver when there were very few of them in New England. He is still active with motor vehicles and is highly regarded as a deisel and heavy duty equipment maintenance man. He travels a long way and to a lot of matches and is a pretty alert fellow, but like most of us who have done a lot of shooting, his hearing has been impaired. Also, like many of us, he wishes that in earlier years he had the advantage of the sound reducing ear covers that are now available. I feel that sporting writers should encourage their use as they did years ago when the importance of wearing glasses was first recognized. These devices seem to be a little bit in the way when you first get them and you have to learn to cock your head a little differently when you get down to the comb of the stock. If you haven't tried them, borrow a pair. You won't notice at first a marked difference but just go down to the shooting line when a number of people are firing, and after you have had them on for four or five minutes, remove them and note how the detonations actually hurt your ears during a fire sequence.

I mentioned earlier about how I sometimes have shot pretty well at Plainfield and I thought I was in one of those grooves at the last shoot. The competition was pretty hot and you could have tossed a coin between several of us when Merrie fired her target in the last relay at the 200 yard event. She smacked all ten of them pretty much in the center of the ten ring and the fifteen men shooters had to concede the aggregate to the lone woman, all of which seems to indicate that my selling her gun last year didn't entirely take her out of competition.

I guess I will have to admit that the competition feature in connection with the gun sale had a little repercussion. John Kohler who lives near West Hartford was a pretty capable small bore shooter who like many others cut across to benchrest shooting and is finding it both alluring and intriguing and he is coming up very fast to the top of the competitors list. He finds benchrest shooting more interesting because there are more things that he personally can do to contribute to winning. As a matter of fact, I guess this is what makes the benchrest game interesting to many of us. We can modify our loads, change to a different weight or brand of bullet, primer or powder, can sort and select our cases and perfect our assortment which all of us do and which is reflected by the tender care which those cases get. More on that subject later but to go back to the opening thoughts of the paragraph, it was John Kohler who one winter day brought a shooting friend named Al Rosenfield down to my house for the purpose of looking at guns in order to get into the game and provide John with company and competition. Al looked at the new guns with the Shilen actions and shiny new Hart barrels but every so often he would go back to the rack and pick up Merrie's gun which was a nice custom stocked 722 in a 219 Donalson. One of John Warren's heavy strongbacks was sweated to this action and he had incorporated a trigger bow made out of the wood of the laminated blank as he shaped the stock. The action and stock had outlived two excellent barrels and Merrie had done quite a bit of winning with it. The new Hart barrel had only been shot one match but it had already indicated its accuracy. Al went home that wintry day with the gun in his car and I guess his testing and experimenting is paying off because at Southboro last Sunday, he turned in some

mighty good scores and set up a new range record with a five shot .126 group at 100 yards. He, too, is going to bear watching.

Both of these fellows have gone about getting in to the game right. They have recognized that good equipment is essential for success and by far the cheapest in the long run. They have watched the good shooters, too, and are picking up the techniques from such shooters rather than going out on a tangent of their own that nine out of ten times have been tried by shooters a half a generation before them and subsequently abandoned. I have maintained many times that dollars alone won't buy a shooter's way into the top classes but this is not to say that any old gun which incorporates poor stocking with a beautiful barrel and action or a well stocked gun with a penny saved barrel and action will get a shooter into the winning class. It is a combination of everything that pays off and competition is now so keen that it is pretty hard to say who has won the match until the last shot is fired and the measurements turned in and verified by the scoring committee.

I mentioned chosen cases earlier and I am getting to recognize how very important this is as I use the chronograph a lot. There are several things that are clearly indicated. Even when the powder is measured to the last kernel and the bullets are sorted by weight and diameter, the primer and bullet carefully seated, there can be considerable difference in velocity of case to case unless the neck tensions are almost identical. Actually this difference in neck tension will make more variation than a change of powder weight, bullet weight, shape or diameter, or even brands of primers. If these variances of the gripping power on the case neck on the walls of the bullet show such a variance in chronograph velocity readings, they are also going to adversely affect the size of the group, presuming that perfect holds and let offs occurred under identical conditions of light, wind and mirage.

We have long recognized that bullet jackets of great uniformity are essential to a true flight of the bullet. Whether we turn them or measure and sort them, mike them or weigh them, dividends in greater accuracy are likely to occur. I say likely because there are so many conditions in the bullet making process that can offset the careful selection of jackets. The thing that throws bullets out of a perfect flight line most frequently, even though all of the foregoing steps are taken, is to make the bullets in a die that is not perfect. Given a perfect die, we can still make bullets that do not shoot well even though we have good jackets if we make the cores of non-uniform lead wire or by improperly processing the wire in the core forming stage. We can seat the cores poorly with disastrous results and the uniformity with which we lubricate the jackets when seating the cores or as they reach the point swaging stage can play a very important part. This improper lubrication causes bullets with poorly shaped points that are uneven or high on one side, bases that are uneven and longitudinal creases which if uniform seem to have little affect on the flight of the bullet but if they are deeper on one side than the other which means excess lubrication in the deeper creases, accuracy will suffer. You will pick up some points in your shooting if you turn the bullets up in your loading block and give them a good visual inspection before you go to the bench. In that way, they won't pick up crud from the bottom of your block and the difference in the size of the hole in the point will spot a variance in weight or too lightly lubricated jacket that might have passed weight inspection. Of course, it goes without saying that the handling of the case just before it enters the chamber must be alike for all ten record shots.

Well, Phil, the 'Flybustin' contest was practically rained out and those of us who

participated took advantage of the shooting shanty where we could shoot out of the window. We shot on the fringe of an early summer hurricane where conditions were really rough. I recall no targets in which five consecutive flies were killed but John Kohler came out on top more times than the rest of us.

Cordially yours,

Crest Stahlkechuter

Random Shots

(Continued from Page Nine)

ished third with 1194-83X, and the next grouping of scores, is a wide gap: Jim Maher—1191, Bill Schweitzer—1190, Fred Triggs—1190, Ken Stannard—1190, and Wal Tomsen—1189. . . It is safe to assume that the Jersey wind was in force as Triggs' 399 metallic Dewar clinched the tournament for him. . . Several Int'l Prone Team members visited the tournament, but did not fire because of the unavailability of their equipment. (The only news from the team to date consists of a post card, elaborating more on the charms of the West German maidens than on the 4 matches fired at Wiesbaden.)

May 25-26—Ed Cayle couldn't afford a moment's letup during the **Tennessee State Smallbore Championship** as **Everett Smith** of Knoxville pushed him hard all the way. Conditions were exceptional for the Knoxville range, which customarily provides a challenging menu of tricky winds and mirage.

With metallic sights, it was Cayle—1598-123X, Bill Krilling—1598-121X, and Everett Smith—1598-116X. With the Grand Agg. at stake, both Ed and Everett "poured it on" with scope, Ed leading 1600-144X to Everett's 1600-135X. S/Sgt. Charles D. Davis, USA AMU, firing a 40X rifle, had the next best score of 1599-134X.

I predict that Everett Smith is a fellow to watch. He is consistent and can hold his own in any company. Smith's 3198-251X was only overshadowed by Cayle's very fine 3198-267X. Dr. Robert B. Kennerly, Asheville, N. C., shooting a 52, placed third with 3196-250X. Krilling was fourth in the Grand, also with a 3196.

Making it a clean sweep, in addition to the three aggregates, Cayle fired an excellent 296-18X in the 3-position 50-meter ISU match on the 50-meter NRA target. W/O Emmett D. Duncan, USMC, was second—292-15X, out-X-ing Bertva's 292-9X. . . Krilling's sense of humor abounds even when he has "goofed." He sent me word that during the prone stage of the position match, he had his scope trained on the target to his left and fired all his sights and his first three record shots (8's!) before he realized what was happening. As we said before, beginners don't make all the mistakes. Until next month?

"A Nation of Markmen"

(Continued from Page Five)

- the unknowing one-box-a-year hunter.
- the arms factories.
- the gun experts and magazine writers.

The once-a-year game buster is under terrific pressure from the slick advertisements to buy this or that gun—easy hits and no sweat—are stressed. Can you give me one good reason why factories with over a

century of arms experience behind them still put out cheap guns with iron sights—arms that place any seeker-after-gun knowledge under great handicaps? Yet the gunner is urged to buy the cheapest on the theory that "it saves him time and money." The poor guy operates in a fog of uncertainty because nobody gives him the straight dope (buy a good Mauser or other ex-military rifle, equip with aperture sights and shooting sling, first learn to shoot it—then sporterize for hunting), the ad man, the gun expert, and the factory all pull him this way and that—using his lack of knowledge for their own profit.

This isn't the end of the colossal fraud aimed at the innocent sportsman, by any means. There are the movies. Some young punk waves a pistol around in a pseudo-Western, mis-using firearms to prop up his ego. No wonder people tend to mistake "marksman" with "murderer." The worst of it is that the general public never get to see the other side of the story—showing what good men can do with the M-1 at the NRA National Matches at Camp Perry, for example.

In his pungent book, "Gunsmithing Simplified," Harold MacFarlane's remarks about the Remington 721's being designed by the cost accountant instead of the arms engineer, holds as true today as when those words appeared in fresh print. A new Rem. 700 BDL 7mm Magnum with Bushnell 3-9X lies on the bed right now—stripped. The "bedding" looks as though busy beavers had chewed out the barrel channel in the stock. For this, the basic Canadian price is \$173.75. There are many other makes that are a better buy at this price.

The only way to explain the long and dreary parade of plasticized "gadget" guns, spring wire and sheet metal wonders, poorly made, carelessly assembled, half-finished, untested sporting rifles on gun racks today is that the cost-accountant still has far too much to say about how the finished (?) rifle will appear, when ready for sale. Pride in craftsmanship (how this word is mis-used in ads) has been heaved right out the window. Make it cheaper—is the cry. The real owners of such factories as Winchester and Remington confine their reading to the profit and loss statements. The best of European firms include a fired target with the boxed rifle so the customer has some idea of the weapon's accuracy. American firms don't.


Contrast this with the fine .22 match target rifles available today. The only reason why American factories were literally forced to put out better, more accurate and refined rifles was because their customers demanded it. The sole reason why an uncrated target puncher can put up potentially winning scores—straight out of the box—is because the Perry and gallery shooters kept hammering away at the factory and wouldn't hold still for anything less!

There is hope that new rifles will have micro aperture sights, a proper shooting sling, together with little folders hung on the trigger guard showing the customer how to use and adjust them, in the near future. Barrels of different lengths and weights should be readily available for those who want them. Give our future shooters a fine weapon, one that he can learn to shoot in comfort and quiet on the range, become thoroughly accustomed to it before heading out into the game fields? Why not? It's easier to learn to do the job right, as to start off on the wrong foot.

Colonel Townsend Whelen tried to talk the factories into putting out the above kind of rifles for over 20 years. They turned a deaf ear to his experience and suggestions. Well, this grand old gentleman is gone now, so someone else has to take up the fight. As one of his greatest admirers, I intend to

(Continued on Page Eighteen)

10-X



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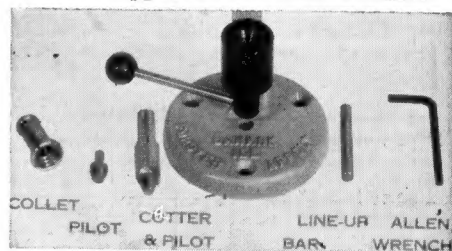
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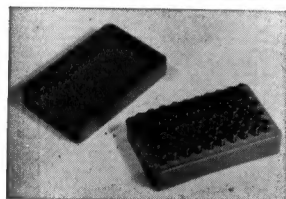
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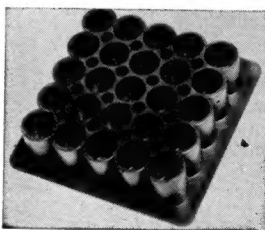
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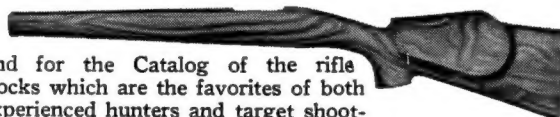
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ROY F. DUNLAP, 2319 Ft. Lowell Road, Tucson, Arizona

"A Nation of Marksmen"

(Continued from Page Seventeen)

carry on the fight for better, saner hunting rifles.

What about the gun writers, the experts who fire thousands of rounds yearly, who go on exotic hunts in far away places, who know the famous, the near-great and the almost-arrived? If he can't give me the straight dope, reasons the beginner, who can? While this sounds logical, it doesn't

quite work out that way.

Did you ever hear of X from So-and-So magazine winning top awards and championships at Perry, for example? No, and you never will, my wide-eyed friend. How often has a widely read gun writer taken to the TV studio to give the youngsters and novices illustrated lessons in safe gun handling? Curious, how seldom one hears about this sort of thing. If faced with a choice: pay his way into a local NRA full-

bore match, or go on an all-expense paid hunt in Shangri-la where the girls are amiable, the game ferocious, and hunted at a safe distance using that elastic measurement known as the Hunter's Foot, you can bet your last pair of Cottonmouth-frustrating Botte Sauvage boots that the magazine scribe will take the latter choice.

These fellows are possibly nice guys, fine enough fellows, good fathers, if you like—but in no danger of having sudden fame thrust upon them in the form of a hard-won shooting championship. So, the theory and practice of marksmanship takes another beating at the hands of those who should certainly know better.

The factories invite all the biggest names in gundom to visit and view the latest products. This is known as "smart public relations." Now you know why all the gun editors fall in line, like a parade of soldiers, whenever a new gaspipe appears on the market. Whatever the man may personally think of this piece of expensive junk, you can bet that he won't say anything nasty about it. If he were so foolish as to be truthful, you can bet that he would not be invited to next year's all-expense-paid clam-bake.

The NSBRA, NRA, DCM, NBPRP (Natl. Board for Promotion of Rifle Practice) all sponsor matches for people with hunting or varmint rifles. Sierra Bullet Company until recently ran a contest for 6X scoped rifles not over 10½ lbs., 10 shots inside an inch at 100 yards would win you a lapel button and an engraved scroll. The NRA and similar matches are usually 10 shots at 200-600 yard distances, nothing very difficult. If present guns are as accurate as claimed, they would shame a "tuned-up" M-1 and make mincemeat of the V-Rings on the Army targets. Are they doing this? Well, not exactly.

Despite these ten shot contests, matches and qualification courses specifically designed to further encourage expert use through practice, of the hunting rifle, gun experts still shoot only 5 shot groups, use the bench rest far too much, and then go afield, as if the rifle had been thoroughly tested. This is far short of what a test should be, shooting from the bench to line up the sights, then several spaced ten shot strings prone to check recoil, sling influence, proper scope positioning, eye relief, grouping and consistent "zero" and point of impact. Then, into the sitting, kneeling, and finally, offhand shooting, at least 3 strings in each position. Why? Because these are the sort of shooting positions the hunter will likely use afield. He has to know how it will perform, first under ideal, then under game conditions. A wandering "zero" or a warped barrel will defeat the finest shot. The target range is the proper place to find this out—not when you've travelled 10,000 miles and now have a 2000 pound Cape Buffalo sizing you up as his personal rubbing pole.

This is why I say that the "shooting tests" are so trifling as to be insulting. These scribes get away with this nonsense because:

- It is quick and easy.
- Takes no real shooting ability.
- Article deadlines must be met.
- Nobody sets up a real squawk.

No, the widely read "Experts" with their talk of light-weight rifles, short "handy" barrels in (naturally!) Magnum calibers, must take their share of the blame for inflicting a mess of flinch-producers upon a long-suffering sporting public. These hard-kicking cannons, with their thin barrels vibrating in lightweight stocks, preclude any serious forms of accurate marksmanship.

The latest products of Winchester, Remington and Savage, have all been universally praised as in the near minute-of-angle group capability, yet a re-test from the prone with rested fore-end showed poor accuracy—on the order of 4 m.o.a.!

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Classified type ads: no display. Rates: — 10¢ per word per insertion, prepaid. Minimum charge \$1.00. Closing date for ads is the last Saturday of the month preceding publication.

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THE NEW BALSCOPE ZOOM 60 TELESCOPE: See Phil's article May issue. Straight eyepiece \$99.98, 45° inclined \$106.10 postpaid. Danley's Gunshop, Box 600, Schenectady, New York.

WANTED: Frankford Arsenal .30 caliber MATCH boxes prior to 1957. Full, partial or empty. Billy Bateman, Route 1, Box 256A, Mineral Wells, Texas.

Past articles in PS have shown that the above can give fine shooting, but only after extensive re-bedding and working up reloads. With Editor Phil Teachout's consent, I will be presenting facts about the following rifles taken from my notes and Score Books, test-firing at 100, 200, 300, just outside Winnipeg, Manitoba.

- 500 and/or 600 yards on St. Charles Range,
1. Remington Model 725 in .280, 4X Weaver-Top Mounts
 2. Savage Model 110 in .30-06, 4X Bushnell
 3. Winchester Model 70 .270 cal. 2½X Weaver
 4. Winchester Model 70 .264 Magnum X8 Weaver
 5. Winchester Model 100-.308 WCF—V8 Weaver

In this way, I hope to present PS readers with a true picture of the accuracy available from a factory rack rifle, first as-is, then re-bedded. I will be doing this test series with the newest rifles, Brownings—for instance, to give readers an accurate idea of how they will perform in 10 shot matches of the National Game Rifle series, my idea to help promote safe target practice with the game rifle in the off-season. Try these out with club members and see how you all make out.

As a matter of fact, the boasting and bragging became so bad that I was forced to imbibe some "nerve tonic" before opening up the shooting section of the fishin' and coon-huntin' mag. I am weak minded enough to take.

It got so bad that recently I told Jack Lewis, "GUN WORLD" Editor, Roy Weatherby, and Tom Siatos, Editor of "GUNS & AMMO," that I am prepared to come down to the Anaheim Range, near Los Angeles in a month's time and shoot the whole NATIONAL GAME RIFLE CHAMPIONSHIP with my old, beat-up .303's, using handloads and/or scope sights against all these wonderful modern Magnums. If we are to believe all this propaganda, I haven't got a chance.

I further suggested that this challenge shoot be shown on TV and that one of Col. Whelen's fine rifles (#2, Page 30, Nov/62 GUNS & AMMO: .308 WCF (7.62 NATO) Douglas Mauser Rifle—complete with scope) plus a \$2000 pot be made up for the winner and Champion. I mentioned that if this challenge shoot came off and I was lucky enough to win, the prize money would be split 4 ways; to the NRA and 3 Canadian shooting groups to further this idea. In effect, I would be shooting just for the fun of

it.

If you people think this is a good idea, why not join forces and get competitive shooting where it belongs—in front of the TV set.

"GUNS & AMMO" did all admirers of that wonderful shooting gentleman, the late Col. Townsend Whelen, a real favour when they ran a two-part piece, "RIFLEMAN'S BATTERY" starting with the Nov/62 issue. His rifles are worth a good close look. Note that almost every one gave the cartridge an honest chance to reach factory ballistics through long, straight barrels. These have other virtues: they point well, and keep the noise away from sensitive ears. Long barrels make for superbly accurate pleasant shooting weapons. The Colonel was a real rifleman — the sling swivels and well mounted scopes show this. Any of Whelen's game rifles, the .270 Springfield and 7 mm Douglas M-70, could take the Blair ANY RIFLE Range Record of 150-11V/150-30V, out in North Vancouver, British Columbia, with careful reloads and practice. We will miss him. No one today has his stature or sure gun knowledge.

(EDITOR'S COMMENT AND ADDITION: Some of Mr. Farquharson's criticisms may seem unduly severe to some people, and they may be in some cases. However, in general, there is a considerable amount of evidence to support his convictions.

Mr. Farquharson is not just a critic. He is suggesting and trying to promote a GAME RIFLE competitive target shooting program for hunter-rifleman. The basic course of fire would be at 200 yards range and would include: Prone, slow fire, 2 sighters and 10 shots for record; sitting, slow fire, 2 and 10; offhand (standing), slow fire, 2 and 10; rapid fire, standing to prone, 10 shots fired in two 5-shot strings; rapid fire, standing to sitting, two 5-shot strings. He also suggests a Snap Shooting stage, fired from prone position at 200 yards range, two shots for each of five 5-second exposures of the target. And for the magnum rifle shooters he suggests prone matches at both 600 and 1000 yards, 2 sighters and 15 or 20 shots for record score.

He suggests using Canadian or United States Army targets, since they are standard targets, readily available and, probably, because they permit direct comparison of Game Rifle scores with those fired in Match Rifle competitions.

Presumably separate matches for rifles with hunting scopes and for iron sighted hunting rifles would be programmed at Game Rifle tournaments.

This proposed program sounds interesting and if clubs give it a trial in either open or club-member tournaments, Precision Shooting would certainly be anxious to receive reports of the trials.)



A NEW SIERRA BULLET

Sierra Bullets, Inc. is introducing a bullet designed for the .30 cal. M-1 CARBINE, the Sierra 110 gr. round nose. It appears to be similar to Government issue, but it is designed for smoother feed and performance in a flatter, more accurate trajectory. The new bullet will probably be available at local dealers by mid-summer.

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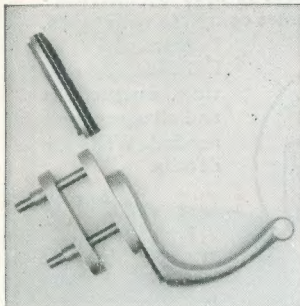
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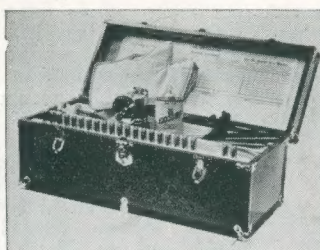
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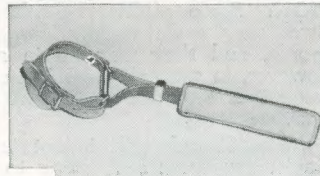
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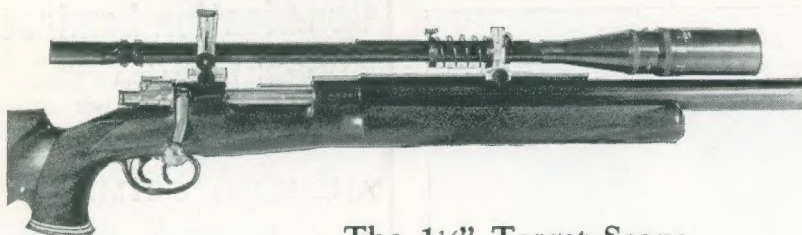
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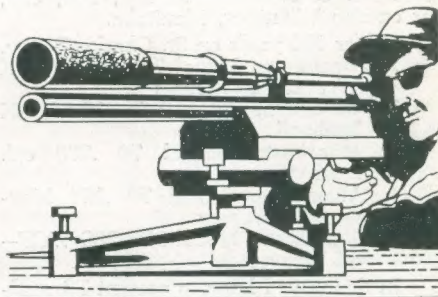
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